LG

DI-28Z12

MODEL

SERVICE MANUAL

ADJUSTMENT

■ Safety Precautions

1. It is safe to adjust after using insulating transformer between the power supply line and chassis input to prevent the risk of electric shock and protect the instrument.
2. Never disconnect leads while the TV receiver is on.
3. Don't short any portion of circuits while power is on.
4. The adjustment must be done by the correct appliances. But this is changeable in view of productivity.
5. Unless otherwise noted, set the line voltage to 230Vac±10%, 50Hz.

■ Test Equipment required

1. RF signal generator (with pattern generator) 1[EA]
2. DC Power Supply
3. Digital Multimeter (volt meter) 2[EA]
4. Oscilloscope 2[EA]
5. White balance meter 1[EA]

• VCO (Voltage Controlled Oscillator) Adjustment

Test Point	**: J72**
Adjust	**: L107**

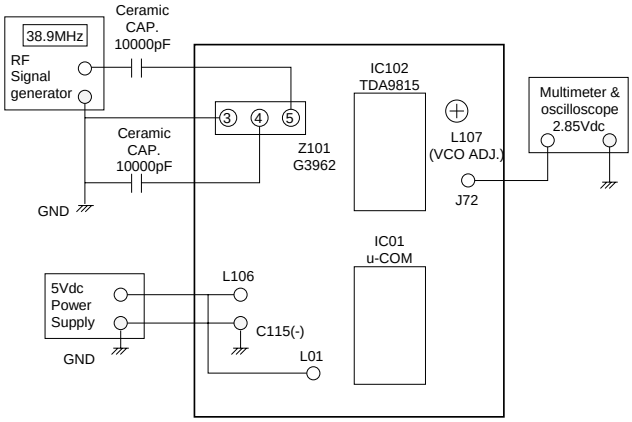


Fig.1 : Connection Diagram of Equipment for VCO Adjustment.

1) Turn on DC power supplies.
2) Adjust Video Detector Coil (L107) for 2.85± 0.1Vdc.

NOTE : The condition of signal Generator.

Frequency	Modulation	Output level
38.9MHz	OFF	80dBu

• RF AGC (Auto Gain Control) Adjustment

Test Point	**: J189 or Observing Display**
Adjust	**: VR101**

The RF AGC control (VR101) was aligned at the time of manufacture for optimum performance over a wide range conditions. Readjust of VR101 should not be necessary unless unusual local conditions exists, such as:

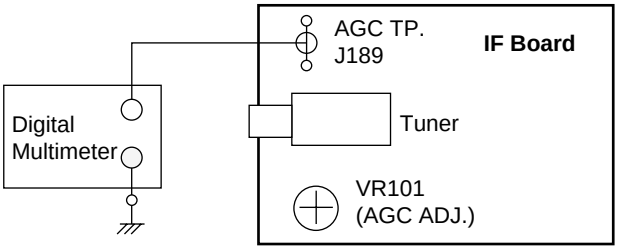


Fig. 2 : Connection Diagram of Equipment for AGC Adjustment.

1) Channel interference in a CATV system.
2) Picture bending and/or color beats, which are unusually due to excessive RF signal input when the receiver is too close to a transmitting tower or when the receiver is connected to an antenna distribution system where the RF signal has been amplified.
   In this case, the input signal should be attenuated (with pad or filter) to a satisfactory level.
3) Picture noise caused by "broadcast noise" or weak signal.
   If the broadcast is "clean" and the RF signal is at least 1mV (60dBu), the picture will be noise free in any area.

Adjusting the VR101 (RF AGC) control to one end of rotation will usually cause a relatively poor signal to noise ratio;
Adjusting to the jother end of rotation will usually cause a degradation of over load capabilities resulting in color beats or adjacent channel reference.

Adjustment (Refer to Table 1)

VL (Vertical Linearity)
Adjust so that the boundary line between upper and lower half is in accord with vertical blanking line.

VS (Vertical Shift)
Adjust so that the horizontal center line of digital circle pattern is in accord with geometric horizontal center of the picture tube.

VH (Vertical Height)
Adjust inside of the circle at top and bottom display.

SC (Vertical "S" Correction)
Adjust so that all distance between each horizontal lines are to be the same.

EW (Horizontal Width)
Adjust so that digital circle pattern looks like exact circle.

EP (East-west Parabolar)
Adjust so that middle portion of the outemost left and right vertical paralled with vertical lines of the picture tube.

EC (East-west Coner)
Adjust so that the vertical line at every 4 corners of the screen looks like parallel with the vertical lines of the picture tube.

ET (East-west Trapezium)
Adjust to make the length of top horizontal line same with it of the bottom horizontal line.

Position of Blanking
1) Selection to the Mode of 4:3
2) Adjust the blanking width control (VR1701) for the same left and right side of the picture tube.

• Screen & White Balance (W/B) Adjustment

NOTE : This adjustment should be preformed after screen voltage adjustment.

Test Point	**: Observe Display**
Adjust	**: Screen Control of FBT**
	R, G, B Drive level (For SVC Mode)

1) Turn the TV set to receive white pattern of PAL standard signal.
2) Adjust contrast, Brightness for 45± 1ft-L at the center area of screen.
3) Press Yellow button after SVC Mode on remote controller then you can find "RG---/GG---/BG---" OSD around middle-left of screen.
4) Set the "GG---" to "GG031".
5) Press CH (UP/DOWN) button you can find "RG---"/"BG---" OSD around middle-left of screen.
6) Adjust volume up or down button in each status of "RG---"/"BG---" for X=281± 8, Y=288± 8 with color analyzer

Table 1 : White Balance initial data

Item	Adjustment	Range of Change	Initial Data
RG	R-Drive	0~63	31
GG	G-Drive	0~63	31
BG	B-Drive	0~63	31
YD	Y-Delay	0~63	* 03
PK	Peak White Limit	0~63	* 05

NOTE : "* " marked items don't need adjust.

• Deflection Data Adjustment

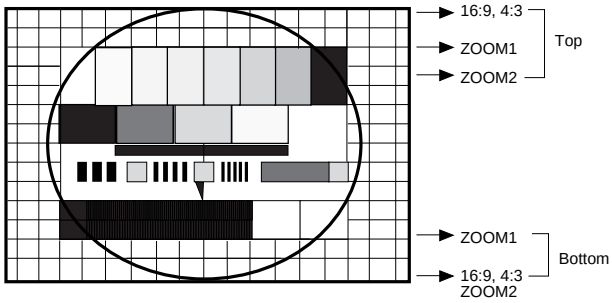
NOTE: To enter SVC mode, press "SVC" button on the Remote control or "OK" button on both TV set and the Remote control.

1. Deflection Adjustment Flow

1) At deflection adjustment mode, select FUBK signal.
   And then, deflection data adjustment OSD displays and at the left top of its auto detected field frequency and deflection adjustment mode are displayed.
2) Press "Yellow" button and at deflection adjustment mode (press "▲▼/◀▶" button) adjust with 50Hz 16:9 mode and the other mode data are stored automatically. After finishing adjustment at 50Hz 16:9 mode and check the adjusted data of different mode.
3) Check the adjusted data changing 50Hz ZOOM1, ZOOM2 and 4:3 mode by pressing "ARC" button and if errors, readjust at each mode.

Adjustment at 50Hz Wide mode

Vertical Size



※ Deflection Adjustment Flowchart

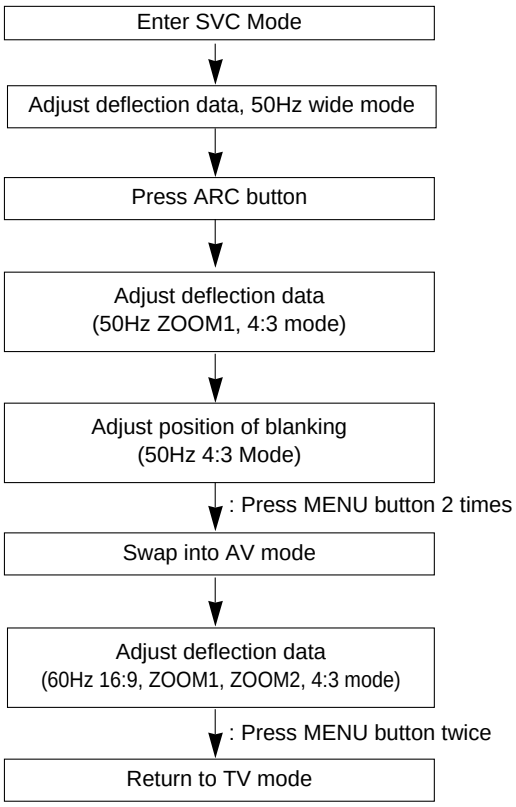

Enter SVC Mode
Adjust deflection data, 50Hz wide mode
Press ARC button
Adjust deflection data
(50Hz ZOOM1, 4:3 mode)
Adjust position of blanking
(50Hz 4:3 Mode)
: Press MENU button 2 times
Swap into AV mode
Adjust deflection data
(60Hz 16:9, ZOOM1, ZOOM2, 4:3 mode)
: Press MENU button twice
Return to TV mode

Table 2 : Deflection initial data

Item	50Hz DATA			60Hz DATA		
	16:9	ZOOM 1/2	4:3	16:9	ZOOM 1/2	4:3
HS	18	18	18	26	26	26
EW	45	45	32	44	44	31
EP	10	10	10	10	10	10
EC	20	20	20	20	20	20
ET	28	16	16	25	16	16
VL	35	35	35	35	35	35
VH	18	18	21	20	12	20
SC	26	26	26	22	22	22
VS	35	35	35	35	35	35

NOTE : These adjustments are possible with serviceable remote controller installed SVC button.
If you don't have serviceable remote controller, simultaneously press OK buttons on local control and on remote controller then TV is changed from normal mode to SVC mode.

Table 1/2 : Corresponding buttons for each adjustment

• Audio Data Adjustment

NOTE : If you press "3" button on the remote controller in SVC Mode then you can find On Screen Display as follow Table 3.

* Never change these data, these are important reference data for TV.

Table 3 : Audio initial data

Item	Adjustment	Range of Change	Initial Data
SP loud	SPK loudness	0~127	000
HP vol		0~127	000
SC vol	SCART Vol	0~127	030
SC pres	SC prescale	0~127	059
FM pres	FM prescale	0~127	019
NC pres	NC prescale	0~127	042

• Screen Voltage Adjustment

Test Point : **RK (Red Cathod of CPT Board)**
Adjust : **Screen Control of FBT**

1) Turn the TV set to receive digital pattern. (Under the condition of ARC Mode 16:9 (Wide Mode))
2) Press PSM button on remote controller. (Standard picture)
3) Connect the prove of oscilloscope to the RK (Red Cathod of CPT Board).
4) Adjust Screen Volume of FBT so that the waveform is the same as below Fig.3.

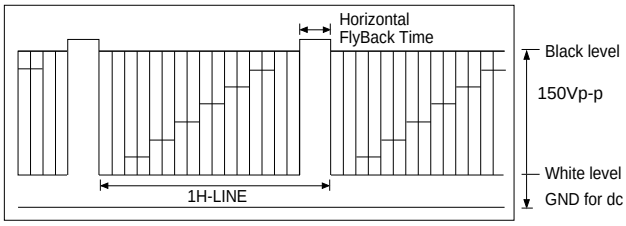


Fig. 3 : The waveform of RK(Red Cathode) of CPT Board

• Focus Adjustment

NOTE : This adjustment should be performed after warming up for 10 minutes.

Test Point : **Observe display**
Adjust : **Focus control of FBT**

[Set condition of the 16:9 (Wide Mode)]

1) Tune the TV set to reveive digital pattern.
2) Adjust the under Focus Volume for the best vertical Focus on the center of the screen.
3) Adjust the upper Focus Volume for the best horizontal Focus on the center of the screen.

Table 4 : CH preset Data

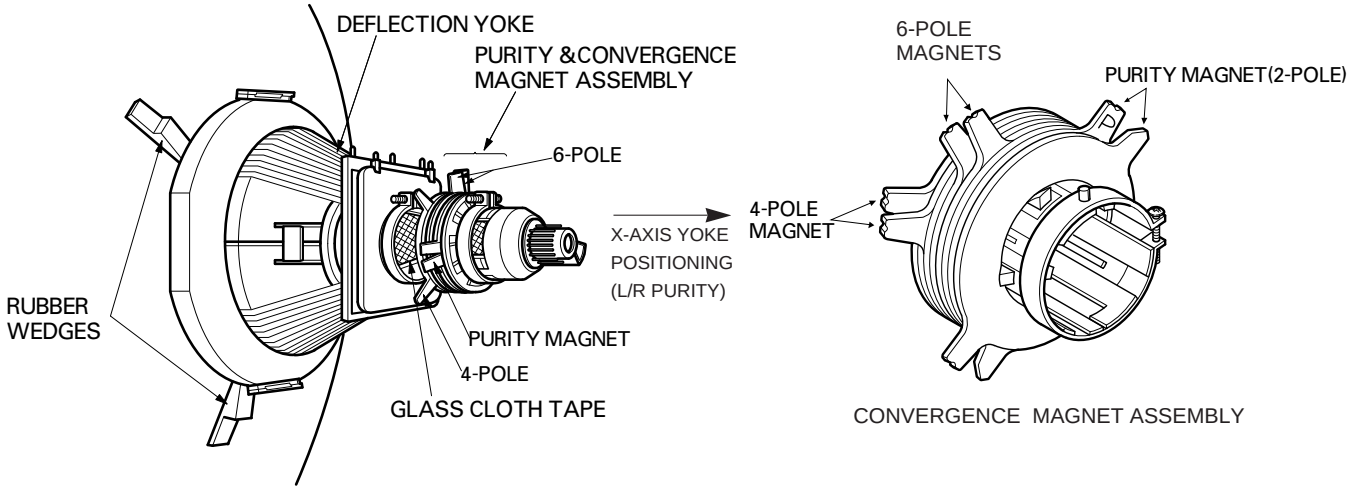
AD	Ch.	Freq.	Pattern	Signal Function & Check
1	PI-41	631~25	PHILIPS	NICAM Stereo
2	PI-11	231~25	FUBK	Deflection Adjustment
3	C-36	691~25	RED	ITC
4	PI-63	807~25	C/HATCH	NICAM, TXT
5	PI-05	183~25	PHILIPS	VHF

PURITY & CONVERGENCE ADJUSTMENT

Caution:
Convergence and Purity have been factory aligned. Do not attempt to tamper with these alignments.
However, the effects of adjacent receiver components, or replacement of picture tube or deflection yoke may require the need to readjust purity any convergence.

5. Reconnect the internal degaussing coil.

6. Position the beam bender locking rings at the 9 o'clock position and the other three pairs of tabs (2,4 and 6 pole magnets) at the 12 o'clock position.



■ Purity Adjustment

This procedure DOES NOT apply to bonded yoke and picture tube assemblies.
The instrument should be at room temperature (60 degrees F or above) for six (6) hours and be operating at low beam current (dark background) for approximately 20 to 30 minutes before performing purity adjustments.

CAUTION: Do not remove any trim magnets that may be attached to the bell of the picture tube.

1. Remove the AC power and disconnect the internal degaussing coil.

2. Remove the yoke from the neck of the picture tube.

3. If the yoke has the tape version beam bender, remove it and replace it with a adjustable type beam bender (follow the instructions provided with the new beam bender)

4. Replace the yoke on the picture tube neck, temporarily remove the three (3) rubber wedges from the bell of the picture tube and then slide the yoke completely forward.

7. Perform the following steps, in the order given, to prepare the receiver for the purity adjustment procedure.

   a. Face the receiver in the "magnetic north" direction.

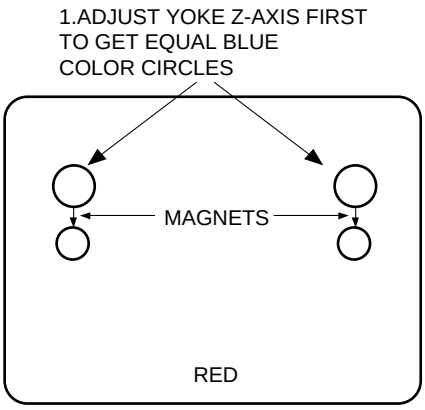
   b. Externally degauss the receiver screen with the television power turned off.

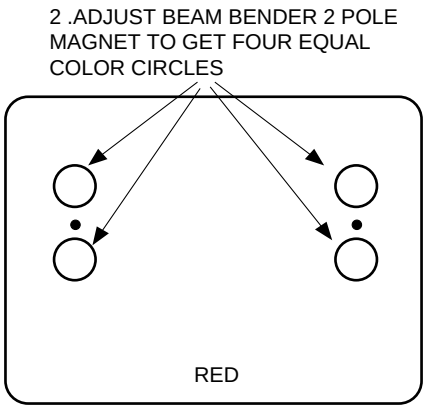
   c. Turn the television on for approximately 10 seconds to perform internal degaussing and then turn the TV off.

   d. Unplug the internal degaussing coil. This allows the thermistor to cool down while you are performing the purity adjustment. DO NOT MOVE THE RECEIVER FROM ITS "MAGNETIC NORTH" POSITION.

   e. Turn the receiver on and obtain a red raster by increasing the red bias control (CW) and decreasing the bias controls for the remaining two colors (CCW).

   f. Attach two round magnets on the picture tube screen at 3 o'clock and 9 o'clock positions, approximately one (1) inch from the edge of the mask (use double-sided tape).





8. Referring to above, perform the following two steps:
   a. Adjust the yoke Z-axis to obtain equal blue circles.
   b. Adjust the appropriate beam bender tabs to obtain correct purity (four equal circles).

9. After correct purity is set, tighten the yoke clamp screw and remove the two screen magnets.

10. Remove the AC power and rotate the receiver 180 degrees (facing "magnetic south").

11. Reconnect the internal degaussing coil.

12. Turn the receiver on for 10 seconds (make sure the receiver came on) to perform internal degaussing, and then turn the receiver off.

13. Unplug the internal degaussing coil.

14. Turn on the receiver and check the purity by holding one (1) round magnet at the 3 o'clock and a second round magnet at 9 o'clock position. If purity is not satisfactory, repeat steps 8 through 14.

15. Turn off the receiver and reconnect the internal degaussing coil.

■ Convergence Adjustment

Caution: This procedure DOES NOT apply to bonded yoke and picture tube assemblies.
Do not use screen magnets during this adjustment procedure. Use of screen magnets will cause an incorrect display.

1. Remove AC power and disconnect the internal degaussing coil.

2. Apply AC Power and set the brightness to the Picture Reset condition. Set the Color control to minimum.

3. Apply 8V to the pin42 of IC501.

4. Adjust the Red, Green and Blue Bias controls to get a dim white line.

5. Remove the AC power and 8V from the pin42 of IC501.

6. Reconnect the internal degaussing coil and apply AC power.

7. Turn the receiver on for 10 seconds to perform internal degaussing and then turn the receiver off again.

8. Unplug the internal degaussing-coil.

9. Turn on the receiver, connect a signal generator to the VHF antenna terminal and apply a crosshatch signal.

Caution: During the convergence adjustment procedure, be very careful not to disturb the purity adjustment tabs are accidentally move, purity should be confirmed before proceeding with the convergence adjustments.

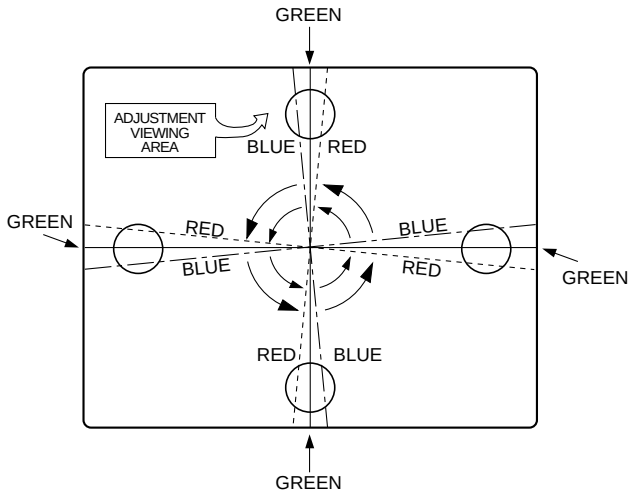
Note: Make sure the focus is set correctly on this instrument before proceeding with the following adjustment.

10. Converge the red and blue vertical lines to the green vertical line at the center of the screen by performing the following steps (below TABLE).
    a. Carefully rotate both tabs of the 4-pole ring magnet simultaneously in opposite directions from the 12 o'clock position to converge the red and blue vertical lines.
    b. Carefully rotate both tabs of the 6-pole ring magnet simultaneously in opposite directions form the 12 o'clock position to converge the red and blue (now purple) vertical lines with the green vertical line.

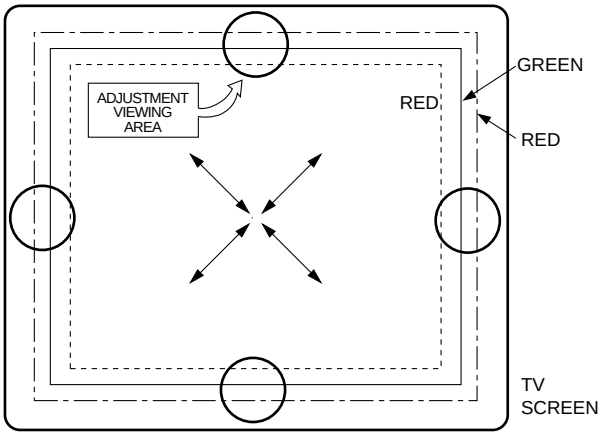
11. Converge the red and blue horizontal with the green line at the center of the screen by performing the following steps. (below TABLE)
    a. Carefully rotate both tabs of the 4-pole ring magnet simultaneously in the same direction (keep the spacing between the two tabs the same) to converge the red and blue horizontal lines.
    b. Carefully rotate both tabs of the 6-pole ring magnet simultaneously in same direction (keep the spacing between the two tabs the same) to converge the red and blue (now purple) horizontal lines with the green horizontal line.
    c. Secure the tabs previsouly adjusted by locking them in place with the locking tabs on the beam bender.

RING PAIRS	ROTATION DIRECTION OF BOTH TABS	MOVEMENT OF RED AND BLUE BEAMS
4 POLE	OPPOSITE	B R OR B R
	SAME	B R OR B R
6 POLE	OPPOSITE	B R OR B R
	SAME	B R OR B R

UP/DOWN ROCKING OF THE YOKE CAUSES OPPOSITE ROTATION OF RED AND BLUE RASTERS

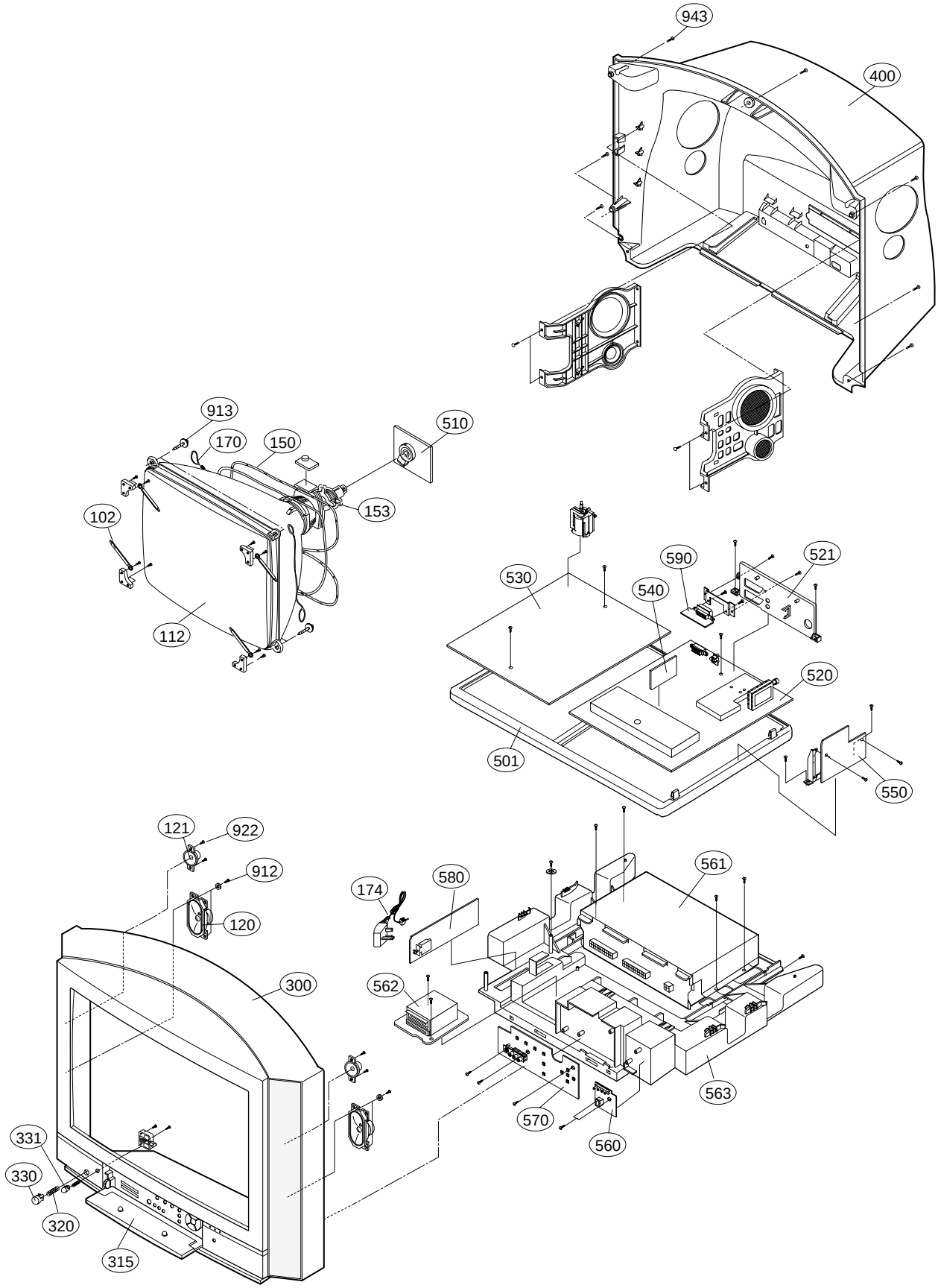


LEFT/RIGHT ROCKING OF THE YOKE CAUSES OPPOSITE SIZE CHANGE OF THE RED AND BLUE RASTERS



12. While watching the 6 o'clock positions on the screen, rock the front of the yoke in a vertical (up/down) direction to converge the red and blue vertical lines. (Fig upper left)
13. Temporarily place a rubber wedge at the 12 o'clock position to hold the vertical position or the yoke.
14. Check the 3 o'clock and 9 o'clock areas to confirm that the red and blue horizontal lines are converged.
    If the lines are not converged, slightly offset the vertical tilt of the yoke (move the rubber wedge if necessary) to equally balance the convergence error of the horizontal lines at 3 o'clock and 9 o'clock and the vertical lines at 6 o'clock and 12 o'clock.
15. Place a 1.5 inch piece of glass tape over the rubber foot at the rear of the 12 o'clock wedge.
16. While watching the 6 o'clock and 12 o'clock areas of the screen, rock the front of the yoke in the horizontal (left to right) motion to converge the red and blue horizontal lines. (Fig. upper right)
17. Temporarily place a rubber wedge at the 5 o'clock and 7 o'clock positions to hold the horizontal position of the yoke.
18. Check the 3 o'clock and 9 o'clock areas to confirm that the red and blue vertical lines are converged. If the lines are not converged, slightly offset the horizontal tilt of the yoke (move the temporary rubber wedges if necessary) to equally balance the convergence error of the horizontal lines at 6 o'clock and 12 o'clock and the vertical lines at 3 o'clock and 9 o'clock.
19. Using a round magnet confirm purity at the center, right and left sides and corners. See Purity Adjustment Procedure.
20. Reconfirm convergence and apply a 1.5 inch piece of glass tape over the rubber foot at the rear of the 5 o'clock and the 7 o'clock wedges.

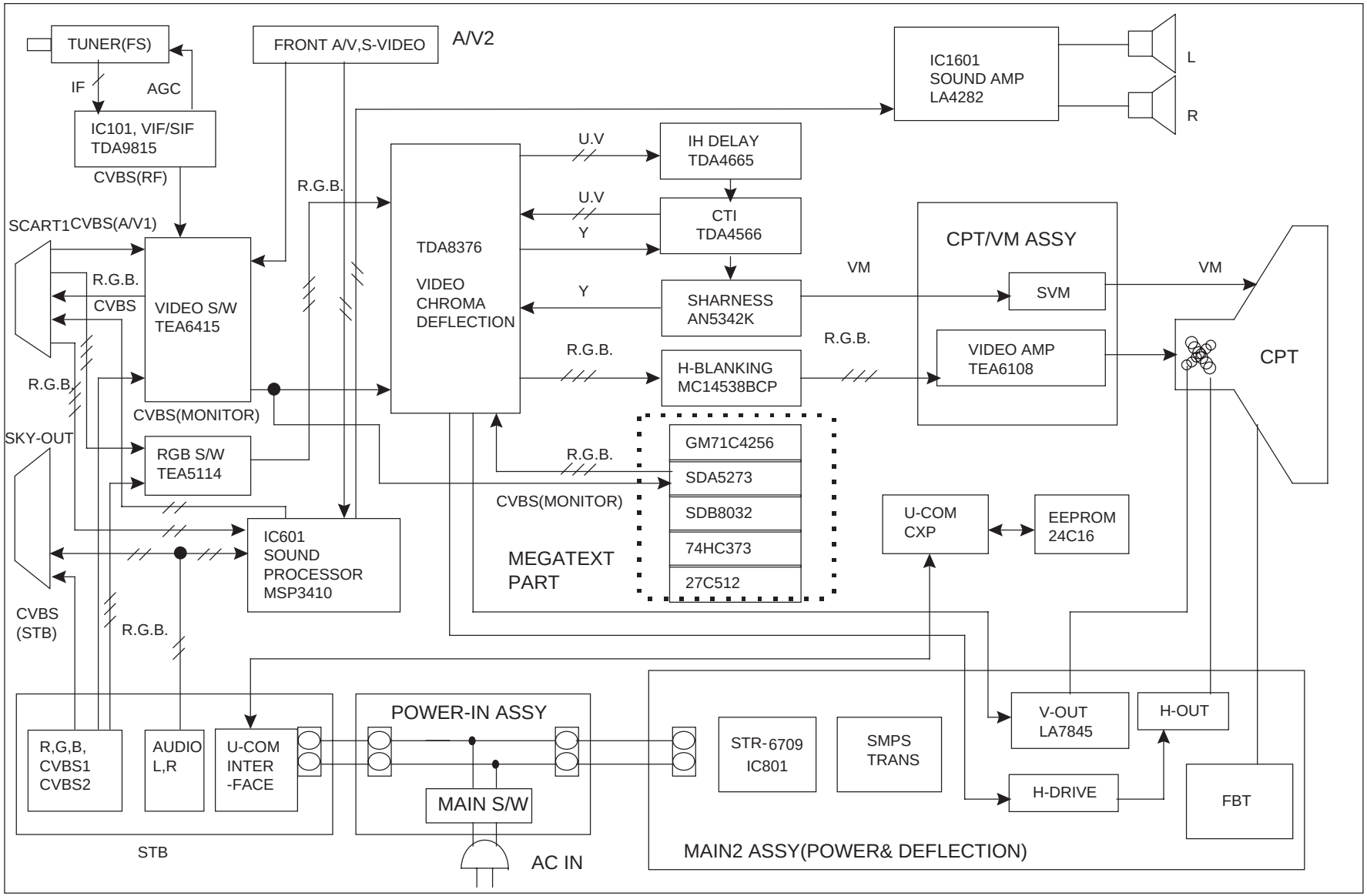
EXPLODED VIEW



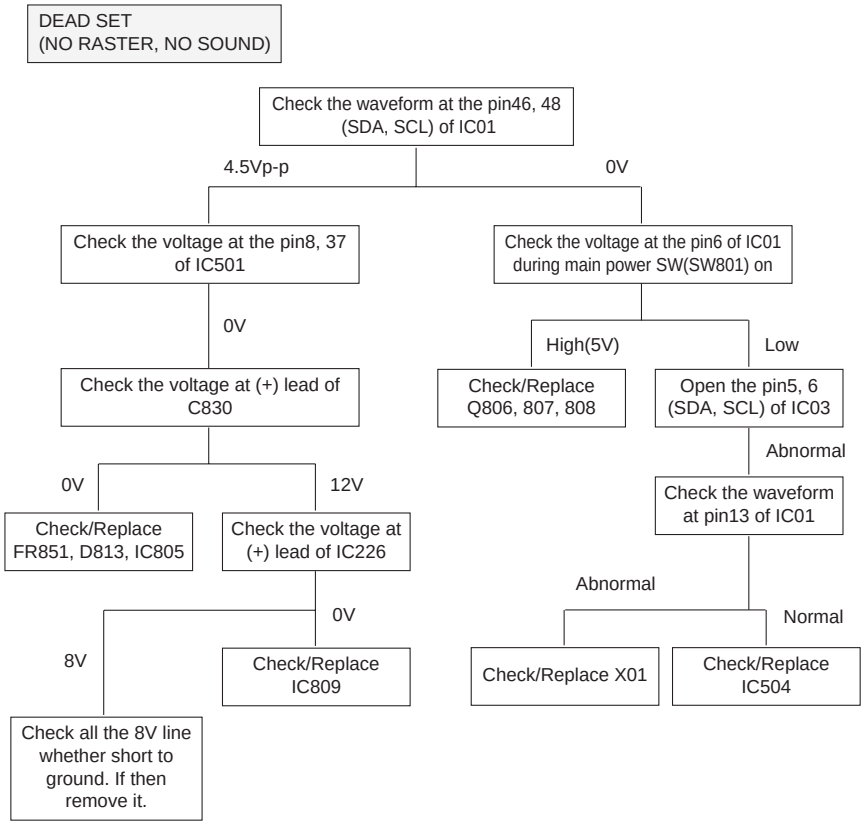
EXPLODED VIEW PARTS LIST

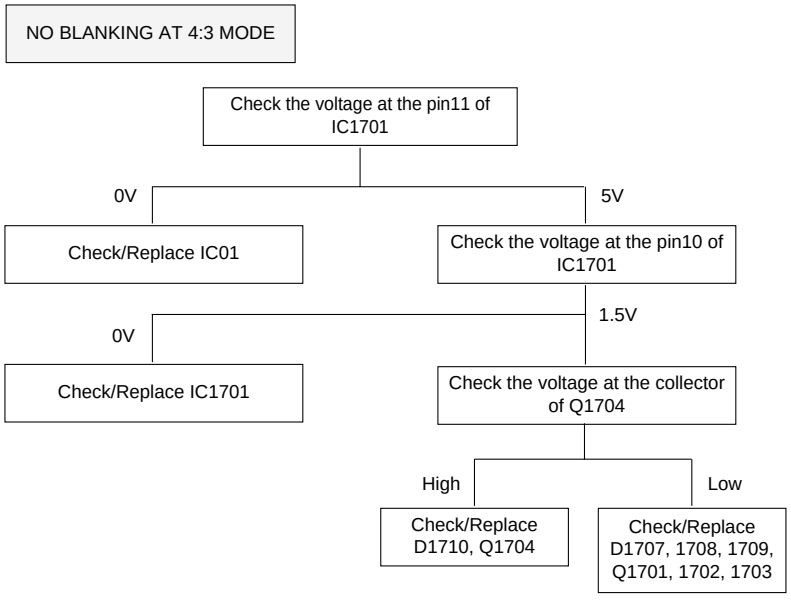
The components identified by mark ⚠ are critical for safety.
Replace only with part number specified.

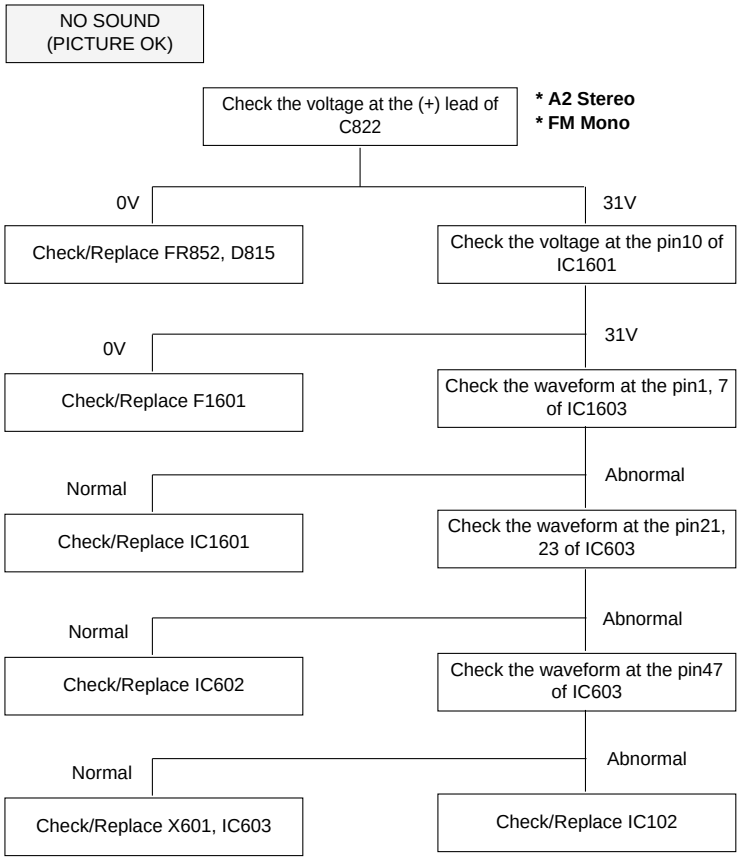
LOCA. NO	PART NO	DESCRIPTIONS
102	341-919C	HOLDER,D-COIL
⚠ 112	6341V28001A	BARE CPT ASSY,W66QBD590X 0.4GGAUS
120	6400VF5001C	SPEAKER,MID-RANGE 8 OHM 5/12W
121	120-C76F	SPEAKER,TWEETER 8OHM 10/20
⚠ 150	150-201L	COIL,DEGAUSSING
⚠ 153	6150Z-5031F	DY DW28SLNO1
⚠ 170	170-797W	LEAD SET,CPT EARTH
⚠ 174	174-225N	POWER CORD
300	3091V00153A	CABINET ASSY
315	315-739C	DOOR,MAIN 1
320	320-075B	SPRING,KNOB
330	5020V00277A	BUTTON,POWER
331	441-754A	BUTTON,DOOR OPEN
400	3809V00114A	BACK COVER ASSY
501	312-391B	FRAME,MAIN
510	6871VSN089A	PWB ASSY,CPT
520	6871VMN094A	PWB ASSY,MAIN 1
521	401-745E	BOARD ASSY,AV
530	6871VDN007A	PWB ASSY,DEF+POWER(MAIN2)
540	109-548E	PCB ASSY,SHARP & BLANK
550	6871VSN088A	PWB ASSY,AUDIO
560	6871VSN090A	PWB ASSY,LED DISPLAY
561	2075V00001A	INTERNET SET TOP BOX
562	6718V00001A	CARD PCMCIA,SMART CARD
563	4810V00120A	BRACKET,MAIN 1
570	6871VSN091A	PWB ASSY,KEY
580	6871VSN092A	PWB ASSY,POWER
590	6871VSN087A	PWB ASSY,AV
912	332-240A	SCREW ASSY,'P'TYPE+WASHER
913	332-229D	SCREW ASSY,HEXAGON HEAD
922	1PTF0402816	SCREW,TRUSS HEAD D4 L12
943	1PTF0403116	SCREW,TRUSS HEAD D4 L16

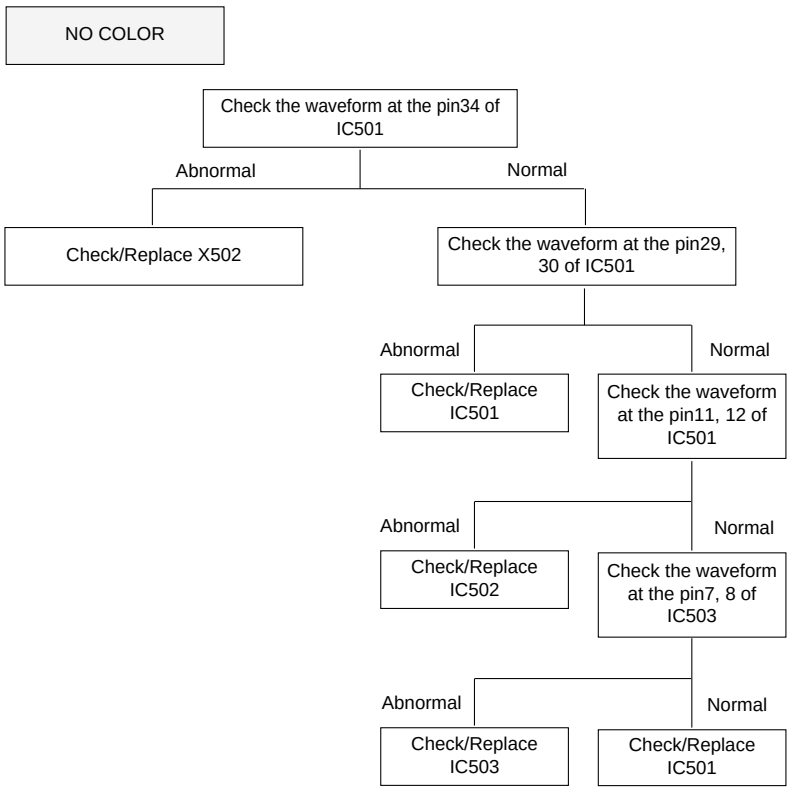

TUNER(FS)
IF
AGC
IC101, VIF/SIF
TDA9815
CVBS(RF)
FRONT A/V,S-VIDEO
A/V2
IC1601
SOUND AMP
LA4282
L
R
SCART1
CVBS(A/V1)
R.G.B.
CVBS
VIDEO S/W
TEA6415
CVBS(MONITOR)
R.G.B.
TDA8376
VIDEO
CHROMA
DEFLECTION
U.V
U.V
Y
IH DELAY
TDA4665
CTI
TDA4566
Y
SHARNESS
AN5342K
R.G.B.
H-BLANKING
MC14538BCP
VM
CPT/VM ASSY
SVM
VIDEO AMP
TEA6108
R.G.B.
VM
CPT
SKY-OUT
RGB S/W
TEA5114
R.G.B.
GM71C4256
SDA5273
SDB8032
74HC373
27C512
MEGATEXT
PART
CVBS(MONITOR)
U-COM
CXP
EEPROM
24C16
IC601
SOUND
PROCESSOR
MSP3410
CVBS
(STB)
R.G.B.
R,G,B,
CVBS1
CVBS2
AUDIO
L,R
U-COM
INTER
-FACE
STB
POWER-IN ASSY
MAIN S/W
AC IN
STR-6709
IC801
SMPS
TRANS
V-OUT
LA7845
H-OUT
H-DRIVE
FBT
MAIN2 ASSY(POWER& DEFLECTION)

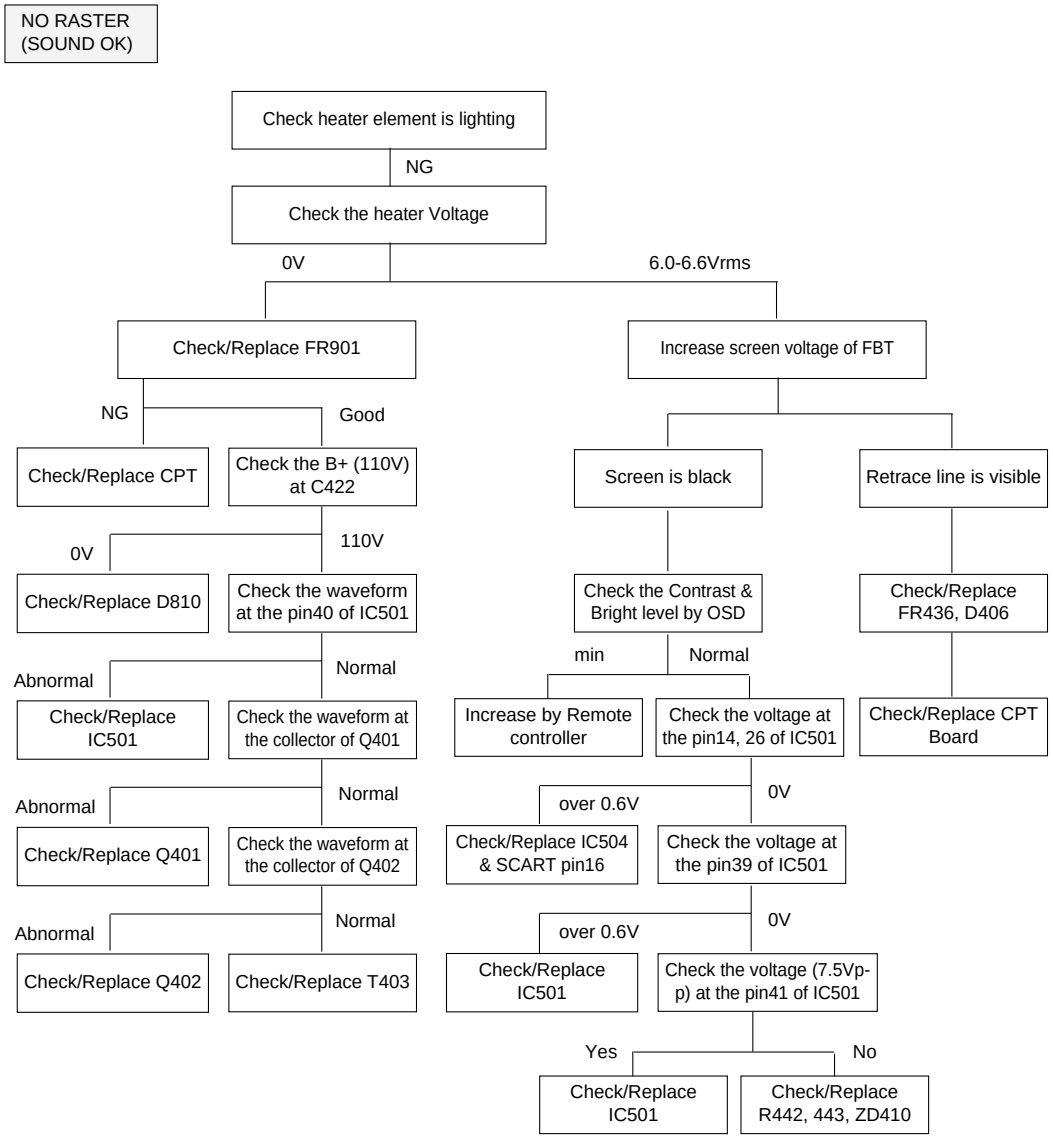
Troubleshooting Guide

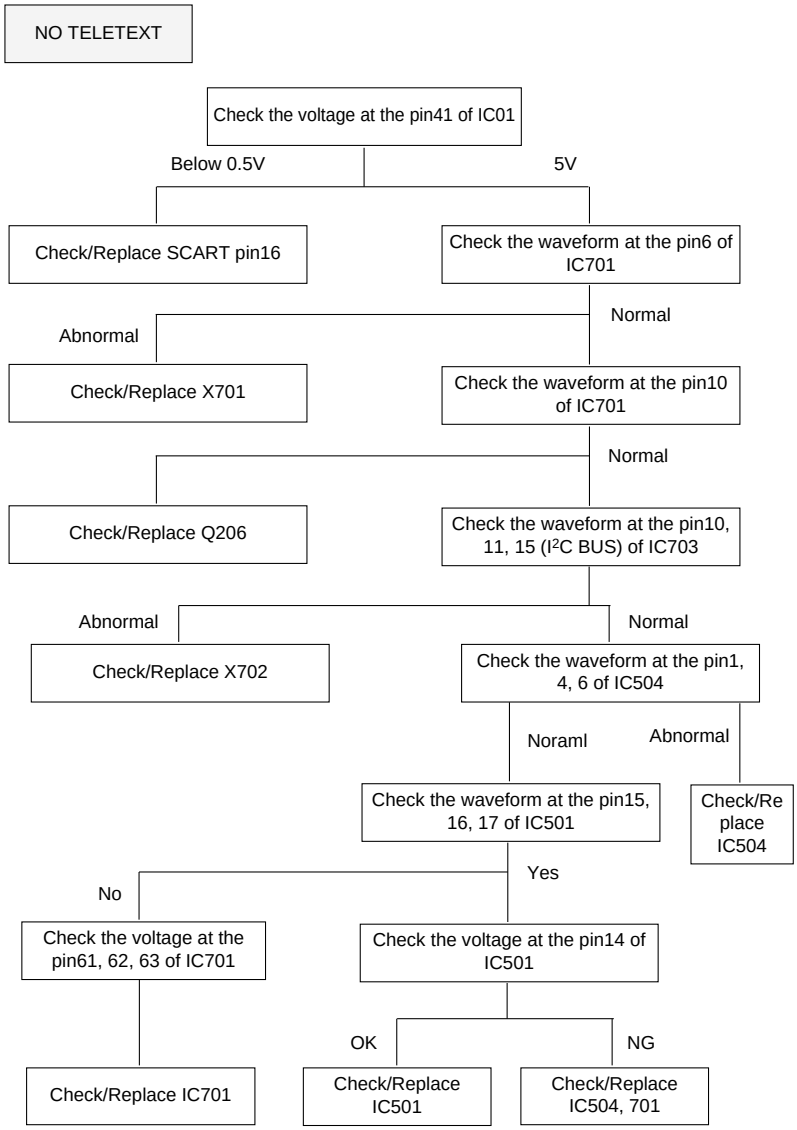

DEAD SET
(NO RASTER, NO SOUND)
Check the waveform at the pin46, 48 (SDA, SCL) of IC01
4.5Vp-p
0V
Check the voltage at the pin8, 37 of IC501
Check the voltage at the pin6 of IC01 during main power SW(SW801) on
0V
High(5V)
Low
Check the voltage at (+) lead of C830
Check/Replace Q806, 807, 808
Open the pin5, 6 (SDA, SCL) of IC03
Abnormal
0V
12V
Check the waveform at pin13 of IC01
Check/Replace FR851, D813, IC805
Check the voltage at (+) lead of IC226
Abnormal
0V
Normal
8V
Check/Replace IC809
Check/Replace X01
Check/Replace IC504
Check all the 8V line whether short to ground. If then remove it.

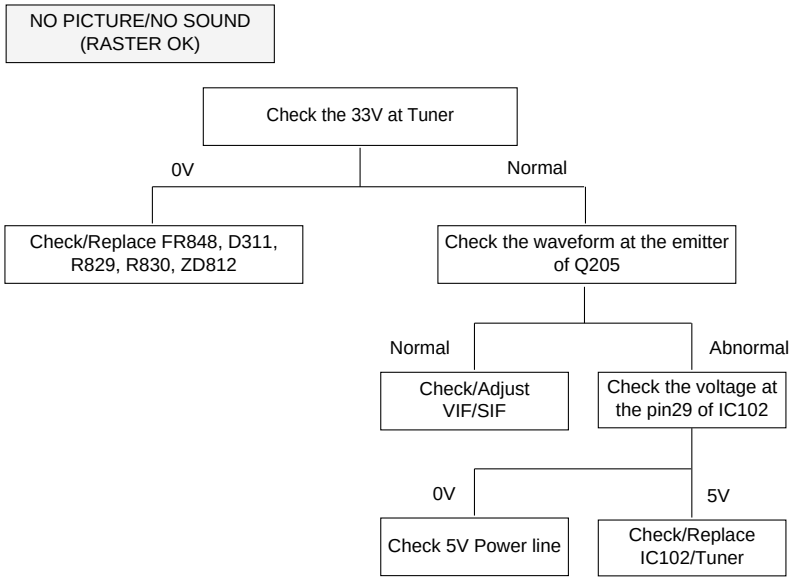


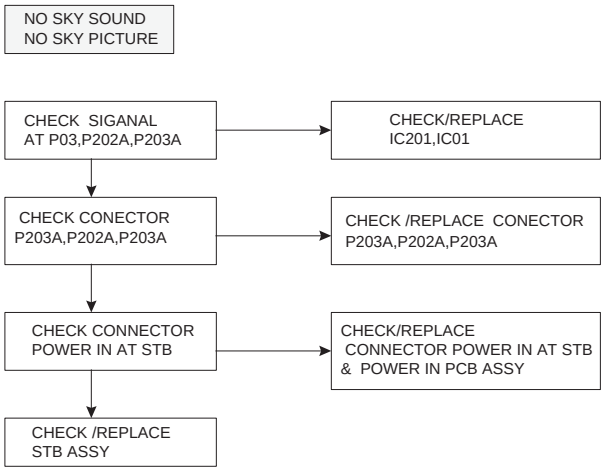

NO SOUND
(PICTURE OK)
Check the voltage at the (+) lead of C822
* A2 Stereo
* FM Mono
0V
31V
Check/Replace FR852, D815
Check the voltage at the pin10 of IC1601
31V
0V
Check/Replace F1601
Check the waveform at the pin1, 7 of IC1603
Abnormal
Normal
Check/Replace IC1601
Check the waveform at the pin21, 23 of IC603
Abnormal
Normal
Check/Replace IC602
Check the waveform at the pin47 of IC603
Abnormal
Normal
Check/Replace X601, IC603
Check/Replace IC102


NO COLOR
Check the waveform at the pin34 of IC501
Abnormal
Normal
Check/Replace X502
Check the waveform at the pin29, 30 of IC501
Abnormal
Normal
Check/Replace IC501
Check the waveform at the pin11, 12 of IC501
Abnormal
Normal
Check/Replace IC502
Check the waveform at the pin7, 8 of IC503
Abnormal
Normal
Check/Replace IC503
Check/Replace IC501


NO RASTER
(SOUND OK)
Check heater element is lighting
NG
Check the heater Voltage
0V
6.0-6.6Vrms
Check/Replace FR901
Increase screen voltage of FBT
NG
Good
Check/Replace CPT
Check the B+ (110V) at C422
Screen is black
Retrace line is visible
0V
110V
Check/Replace D810
Check the waveform at the pin40 of IC501
Check the Contrast & Bright level by OSD
Check/Replace FR436, D406
min
Normal
Abnormal
Normal
Check/Replace IC501
Check the waveform at the collector of Q401
Increase by Remote controller
Check the voltage at the pin14, 26 of IC501
Check/Replace CPT Board
Abnormal
Normal
over 0.6V
0V
Check/Replace Q401
Check the waveform at the collector of Q402
Check/Replace IC504 & SCART pin16
Check the voltage at the pin39 of IC501
Abnormal
Normal
over 0.6V
0V
Check/Replace Q402
Check/Replace T403
Check/Replace IC501
Check the voltage (7.5Vp-p) at the pin41 of IC501
Yes
No
Check/Replace IC501
Check/Replace R442, 443, ZD410


NO TELETEXT
Check the voltage at the pin41 of IC01
Below 0.5V
5V
Check/Replace SCART pin16
Check the waveform at the pin6 of IC701
Abnormal
Normal
Check/Replace X701
Check the waveform at the pin10 of IC701
Normal
Check/Replace Q206
Check the waveform at the pin10, 11, 15 (I2C BUS) of IC703
Abnormal
Normal
Check/Replace X702
Check the waveform at the pin1, 4, 6 of IC504
Noraml
Abnormal
Check the waveform at the pin15, 16, 17 of IC501
Check/Replace IC504
Yes
No
Check the voltage at the pin61, 62, 63 of IC701
Check the voltage at the pin14 of IC501
OK
NG
Check/Replace IC701
Check/Replace IC501
Check/Replace IC504, 701


NO PICTURE/NO SOUND
(RASTER OK)
Check the 33V at Tuner
0V
Normal
Check/Replace FR848, D311,
R829, R830, ZD812
Check the waveform at the emitter
of Q205
Normal
Abnormal
Check/Adjust
VIF/SIF
Check the voltage at
the pin29 of IC102
0V
5V
Check 5V Power line
Check/Replace
IC102/Tuner


NO SKY SOUND
NO SKY PICTURE
CHECK SIGANAL
AT P03,P202A,P203A
CHECK/REPLACE
IC201,IC01
CHECK CONECTOR
P203A,P202A,P203A
CHECK /REPLACE CONECTOR
P203A,P202A,P203A
CHECK CONNECTOR
POWER IN AT STB
CHECK/REPLACE
CONNECTOR POWER IN AT STB
& POWER IN PCB ASSY
CHECK /REPLACE
STB ASSY

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Replace only with part number specified.

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
		IC
IC01	0ISO864611A	IC,CXP864P61S-1(OTP) 52,SDIP BK M
IC02	0ISS780500J	IC,KA78L05AZ TO-92 TP 5V REGULATO
IC03	0IAL241600B	IC,AT24C16-10PC 8D EEPROM 16K
IC04	0ISS753300A	IC,KA7533Z RESET T0-92 TP 3.3V
IC102	0IPH981500B	IC,TDA9815-V3 32SD MULTI IF
IC1271	0IMA534200A	IC,AN5342K 30SD SHARPNESS CONTROL
IC1272	0IMO145770E	IC,MC14577CP 8D DUAL VIDEO AMP
IC1273	0IKE780900E	IC,KIA7809PI 3P(TO-220IS)1A,9V
IC1601	0ISA428200A	IC,LA4282
IC1603	0IKE455800E	IC,KIA4558 8DIP DUAL OP AMP
IC1701	0IMO145380C	IC,MC14538BCP 16D 2-MONO MUL.VIB.
IC201	0ISG641500A	IC,TEA6415C,20D,VIDEO MATRIX S/W
⚠ IC301	0ISA784500A	IC,LA7845 7SIP V/OUT(1.5A)
IC401	0IKE455800E	IC,KIA4558 8DIP DUAL OP AMP
⚠ IC402	0ISH123200B	IC,PC123 FY2PHOTO COUPLER
IC501	0IPH837600A	IC,TDA8376-N1 52SD MULTI VIDEO P.
IC502	0IPH466550A	IC,TDA4665/V5 16DIP BK 1H DELAY L
IC503	0IPH456620A	IC,TDA4566/V2 18D CTI
IC504	0ISG511400A	IC,TEA5114
IC602	0IKE455800E	IC,KIA4558 8DIP DUAL OP AMP
IC603	0IIT341000H	IC,MSP3410D 52P,SDIP BK B4-VERSIO
IC604	0ISS753300A	IC,KA7533Z RESET T0-92 TP 3.3V
IC701	0ISM527320A	IC,SDA5273-2 68PLCC BK MEGA TEXT
IC702	0IOK514256D	IC,MSM514256B-70RS 20DIP BK 1M DR
IC703	0IGS903200A	IC,GMS90C32 40P,DIP BK 8BIT MICRO
IC704	0IPH743730D	IC,74HC373N 20P,DIP BK OCTAL D-TY
IC705	0ITI275120D	IC,TMS27C512-10JL 28D 64K*8 EPROM
IC706	0ISS753300A	IC,KA7533Z RESET T0-92 TP 3.3V
IC801	0ISK670900A	IC,STR/S6709 9S SMPS-CNTR
⚠ IC802	0ISH123200B	IC,PC123 FY2PHOTO COUPLER
IC804	0ISK110000A	IC,SE110N(LF12) 3P 110V ERROR AMP
IC805	0ISH122100A	IC,PQ12RF21 4P(TO-220) 12V S/W RE
IC806	0ISH052100A	IC,PQ05RF21 4P(TO-220) 5V S/W REG
IC809	0IKE780800A	IC,KIA7808PI 3P(TO-220IS) 1A,8V
IC901	0IPH610800A	IC,TDA6108JF 9SIP BK VIDEO OUT AM
		DIODE
D104	0DD414809ED	DIODE,DS4148
D1601	0DD414809ED	DIODE,DS4148
D1602	0DD414809ED	DIODE,DS4148
D1603	0DD414809ED	DIODE,DS4148
D1604	0DD414809ED	DIODE,DS4148
D1701	0DD247109AA	DIODE,1S2471
D1702	0DD247109AA	DIODE,1S2471
D1703	0DD247109AA	DIODE,1S2471
D1704	0DD247109AA	DIODE,1S2471
D1705	0DD247109AA	DIODE,1S2471
D1706	0DD247109AA	DIODE,1S2471
D1707	0DD247109AA	DIODE,1S2471
D1708	0DD247109AA	DIODE,1S2471
D1709	0DD247109AA	DIODE,1S2471
D1710	0DD247109AA	DIODE,1S2471
D1711	0DD247109AA	DIODE,1S2471

LOCA. NO	PART NO	DESCRIPTION
D1712	0DD247109AA	DIODE,1S2471
D1713	0DD247109AA	DIODE,1S2471
D1714	0DD247109AA	DIODE,1S2471
D2901	0DD414809ED	DIODE,DS4148
D2902	0DD414809ED	DIODE,DS4148
D2904	0DD414809ED	DIODE,DS4148
D2906	0DD414809ED	DIODE,DS4148
D2907	0DD414809ED	DIODE,DS4148
D2908	0DD414809ED	DIODE,DS4148
D2909	0DD414809ED	DIODE,DS4148
D2910	0DD150009CC	DIODE,RGP15G
D2911	0DD150009CC	DIODE,RGP15G
D301	0DD150009CE	DIODE,GP15J (1.5A/600V)
D306	0DD414809ED	DIODE,DS4148
D402	0DD011150AA	DIODE,ESC011M-15
⚠ D406	0DD100009AU	DIODE,EU1AV 600V 0.25A
D407	0DD200009AF	DIODE,RU-2MV
D408	0DD200009AF	DIODE,RU-2MV
D409	0DD100009AU	DIODE,EU1AV 600V 0.25A
D410	0DD414809ED	DIODE,DS4148
D411	0DD414809ED	DIODE,DS4148
D412	0DD100009AU	DIODE,EU1AV 600V 0.25A
D420	0DD100009AU	DIODE,EU1AV 600V 0.25A
D501	0DD414809ED	DIODE,DS4148
D502	0DD414809ED	DIODE,DS4148
D503	0DD414809ED	DIODE,DS4148
D505	0DD414809ED	DIODE,DS4148
D506	0DD414809ED	DIODE,DS4148
D509	0DD414809ED	DIODE,DS4148
⚠ D801	0DD606000AA	DIODE,RBV606,SANKEN
D802	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS
D803	0DD100009AM	DIODE,EU1ZV
D805	0DD100009AU	DIODE,EU1AV 600V 0.25A
D806	0DD100009AM	DIODE,EU1ZV
D808	0DD100009AL	DIODE,EH-1ZV
D809	0DD414809ED	DIODE,DS4148
D810	0DD410000AD	DIODE,RU4AM,LF-L1
D811	0DD100009AU	DIODE,EU1AV 600V 0.25A
D812	0DD100009AU	DIODE,EU1AV 600V 0.25A
D813	0DD420000BB	DIODE,D4L20U
D815	0DD420000BB	DIODE,D4L20U
D819	0DD100009AM	DIODE,EU1ZV
D824	0DD420000BB	DIODE,D4L20U
D901	0DR210009AA	DIODE,RECTIFIER BAV21
D902	0DR210009AA	DIODE,RECTIFIER BAV21
D903	0DR210009AA	DIODE,RECTIFIER BAV21
D913	0DD414809ED	DIODE,DS4148
D923	0DD414809ED	DIODE,DS4148
D933	0DD414809ED	DIODE,DS4148
LD01	0DL200000CA	DIODE,LED DL-2LRG RED GREEN OPTO
LD02	0DL112100AB	DIODE,LED DL-11S2GN1 OPTO
LD03	0DL112100AC	DIODE,LED DL-11S2YN1 OPTO
ZD01	0DZ560009AA	DIODE,ZENER MTZ5.6B
ZD01K	0DZ620009AA	DIODE,ZENER MTZ6.2B

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LOCA. NO	PART NO	DESCRIPTION
ZD02	0DZ560009AA	DIODE,ZENER MTZ5.6B
ZD02K	0DZ620009AA	DIODE,ZENER MTZ6.2B
ZD03	0DZ560009AA	DIODE,ZENER MTZ5.6B
ZD03K	0DZ620009AA	DIODE,ZENER MTZ6.2B
ZD201	0DZ103009AA	DIODE,ZENER Z10.3 (MTZJ11A)
ZD205	0DZ330009AN	DIODE,ZENER MTZ3.3A TP(52MM)
ZD206	0DZ180009AA	DIODE,ZENER MTZ18B
ZD2901	0DZ180009AA	DIODE,ZENER MTZ18B
ZD302	0DZ180009AA	DIODE,ZENER MTZ18B
ZD303	0DZ180009AA	DIODE,ZENER MTZ18B
ZD404	0DZ120009AA	DIODE,ZENER Z12BM TA
ZD405	0DZ180009AA	DIODE,ZENER MTZ18B
ZD410	0DZ820009AA	DIODE,ZENER MTZ8.2B
ZD502	0DZ510009AB	DIODE,ZENER MTZ5.1B
ZD504	0DZ750009AA	DIODE,ZENER MTZ7.5B
ZD702	0DZ330009AN	DIODE,ZENER MTZ3.3A TP(52MM)
ZD704	0DZ560009AA	DIODE,ZENER MTZ5.6B
ZD705	0DZ560009AA	DIODE,ZENER MTZ5.6B
ZD706	0DZ560009AA	DIODE,ZENER MTZ5.6B
ZD707	0DZ560009AA	DIODE,ZENER MTZ5.6B
ZD804	0DZ750009AA	DIODE,ZENER MTZ7.5B
ZD812	0DZ330009BA	DIODE,ZENER HZT33
ZD820	0DZ110009AA	DIODE,ZENER MTZ 11B
ZD908	0DZ750009AA	DIODE,ZENER MTZ7.5B
TRANSISTOR		
Q01	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q03	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q1L	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC
Q101	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC
Q102	0TR319709AB	TR,KTC3197,TP(KTC388A),KEC
Q1271	0TR387500AA	TR,2SC3875S(ALY)
Q1273	0TR387500AA	TR,2SC3875S(ALY)
Q1274	0TR387500AA	TR,2SC3875S(ALY)
Q1275	0TR387500AA	TR,2SC3875S(ALY)
Q1601	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q1602	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q1603	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC
Q1701	0TR150400BA	TR,2SA1504S(ASY)
Q1702	0TR150400BA	TR,2SA1504S(ASY)
Q1703	0TR150400BA	TR,2SA1504S(ASY)
Q1704	0TR387500AA	TR,2SC3875S(ALY)
Q1705	0TR150400BA	TR,2SA1504S(ASY)
Q1706	0TR150400BA	TR,2SA1504S(ASY)
Q1707	0TR150400BA	TR,2SA1504S(ASY)
Q2L	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC
Q202	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q204	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q205	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC
Q206	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q2902	0TR320209AA	TR,KTC3202-TP-Y (KTC1959)KEC
Q2903	0TR320209AA	TR,KTC3202-TP-Y (KTC1959)KEC
Q2905	0TR320209AA	TR,KTC3202-TP-Y (KTC1959)KEC
Q2907	0TR127009AA	TR,KTA1270-TP-Y (KTA562TM)KEC

LOCA. NO	PART NO	DESCRIPTION
Q2908	0TR322709AA	TR,KTC3227-Y,TP(KTC1627A),KEC
Q2909	0TR968000AA	TR,KTA968A-Y KEC
Q2910	0TR223800AA	TR,KTC2238A-Y
Q3L	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC
Q301	0TR945009AA	TR,KSC945C-Y,TP,SS
Q4L	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC
Q401	0TR223800AA	TR,KTC2238A-Y
⚠ Q402	0TR188700AA	TR,2SD1887 TO-3PML SANYO
⚠ Q403	0TF910000AA	FET,BUZ91A TO-220AB SIEMENS
Q404	0TR733009AA	TR,KSA733C-Y TP SANSUNG
Q405	0TR205900AA	TR,KTD2059-O,TO-220IS,100V,5A
Q406	0TR945009AA	TR,KSC945C-Y,TP,SS
Q407	0TR733009AA	TR,KSA733C-Y TP SANSUNG
Q408	0TR945009AA	TR,KSC945C-Y,TP,SS
Q409	0TR945009AA	TR,KSC945C-Y,TP,SS
Q410	0TR945009AA	TR,KSC945C-Y,TP,SS
Q411	0TR945009AA	TR,KSC945C-Y,TP,SS
Q412	0TR945009AA	TR,KSC945C-Y,TP,SS
Q413	0TR945009AA	TR,KSC945C-Y,TP,SS
Q414	0TR945009AA	TR,KSC945C-Y,TP,SS
Q502	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q503	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q601	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q602	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q603	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC
Q604	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC
Q605	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC
Q606	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC
Q607	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q608	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q701	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q707	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q708	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q801	0TR385200AA	TR,2SC3852A SANKEN
Q802	0TR322709AA	TR,KTC3227-Y,TP(KTC1627A),KEC
Q803	0TR945009AA	TR,KSC945C-Y,TP,SS
Q806	0TR968000AA	TR,KTA968A-Y KEC
Q807	0TR322809AA	TR,KTC3228-0 TP(KTC2383),KEC
Q808	0TR945009AA	TR,KSC945C-Y,TP,SS
Q809	0TR945009AA	TR,KSC945C-Y,TP,SS
Q810	0TR945009AA	TR,KSC945C-Y,TP,SS
Q811	0TR733009AA	TR,KSA733C-Y TP SANSUNG
Q812	0TR733009AA	TR,KSA733C-Y TP SANSUNG
Q813	0TR945009AA	TR,KSC945C-Y,TP,SS
Q818	0TR733009AA	TR,KSA733C-Y TP SANSUNG
CAPACITOR		
C01	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
C01K	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C01L	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
C02K	0CN4720F569	C,TUBULA(HIGH DIELE) 4700PF 16V X
C02L	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C03K	0CN3910K519	C,TUBULA(HIGH DIELE) 390P 50V K
C04	0CN1040K949	C,TUBULA(HIGH DIELE) 0.1M 50V Z

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LOCA. NO	PART NO	DESCRIPTION
C04K	0CN3910K519	C,TUBULA(HIGH DIELE) 390P 50V K
C05K	0CN4710K519	C,TUBULA(HIGH DIELE) 470PF 50V K
C06	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C06K	0CN4710K519	C,TUBULA(HIGH DIELE) 470PF 50V K
C07	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C07K	0CN4710K519	C,TUBULA(HIGH DIELE) 470PF 50V K
C08	0CN1020K519	C,TUBULA(HIGH DIELE) 1000PF 50V K
C08K	0CN4710K519	C,TUBULA(HIGH DIELE) 470PF 50V K
C1S	0CN4710K519	C,TUBULA(HIGH DIELE) 470PF 50V K
C101	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
C102	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C103	0CE106DK618	C,ELECTROLYTIC 10UF STD 50V M
C104	0CK1030K945	C,CERAMIC(HIGH DIELE) 0.01MF 50V Z
C105	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
C106	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C107	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C108	0CE335DK618	C,ELECTROLYTIC 3.3UF STD 50V M
C109	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C110	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
C112	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C113	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
C114	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C115	0CE684DK618	C,ELECTROLYTIC 0.68UF STD 50V M
C116	0CE225DK618	C,ELECTROLYTIC 2.2UF STD 50V M
C117	0CN1040K949	C,TUBULA(HIGH DIELE) 0.1M 50V Z
C118	0CE226DK618	C,ELECTROLYTIC 22UF STD 50V M
C119	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C12	0CN1020K519	C,TUBULA(HIGH DIELE) 1000PF 50V K
C120	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C121	0CE225DK618	C,ELECTROLYTIC 2.2UF STD 50V M
C122	0CQ1042K439	C,POLYESTER(MYLAR) 0.1UF S 50V J
C124	0CN4710K519	C,TUBULA(HIGH DIELE) 470PF 50V K
C125	0CN1040K949	C,TUBULA(HIGH DIELE) 0.1M 50V Z
C126	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C127	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C1277	0CE226DF618	C,ELECTROLYTIC 22UF STD 16V M
C1279	0CE4763F618	C,ELECTROLYTIC 47UF 16V M
C128	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C1281	0CE4763F618	C,ELECTROLYTIC 47UF 16V M
C1286	0CE224DK618	C,ELECTROLYTIC 0.22UF STD 50V M
C1288	0CK4720K515	C,CERAMIC(HIGH DIELE) 4700P 50V K
C1292	0CE4763F618	C,ELECTROLYTIC 47UF 16V M
C1295	0CE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M
C13	0CE105DK618	C,ELECTROLYTIC 1UF STD 50V M
C131	0CE335DK618	C,ELECTROLYTIC 3.3UF STD 50V M
C1601	0CE108DJ618	C,ELECTROLYTIC 1000UF STD 35V M
C1602	0CE108DJ618	C,ELECTROLYTIC 1000UF STD 35V M
C1603	181-442Z	C,POLYESTER 0.1MF 50V K
C1603	181-442Z	C,POLYESTER 0.1MF 50V K
C1604	0CE108DK61A	C,ELECTROLYTIC 1000UF STD 50V M
C1605	0CK1030K945	C,CERAMIC(HIGH DIELE) 0.01MF 50V Z
C1606	0CQ1031N509	C,POLYESTER(MYLAR) 0.01U 100V K
C1607	181-442Z	C,POLYESTER 0.1MF 50V K
C1608	0CE107DH618	C,ELECTROLYTIC 100UF STD 25V M

LOCA. NO	PART NO	DESCRIPTION
C1609	0CE106DH618	C,ELECTROLYTIC 10UF STD 25V M
C1610	0CQ5621N509	C,POLYESTER(MYLAR) 0.0056U 100V K
C1611	0CE107DH618	C,ELECTROLYTIC 100UF STD 25V M
C1612	0CE106DH618	C,ELECTROLYTIC 10UF STD 25V M
C1613	0CQ5621N509	C,POLYESTER(MYLAR) 0.0056U 100V K
C1614	0CE107DH618	C,ELECTROLYTIC 100UF STD 25V M
C1615	0CE106DH618	C,ELECTROLYTIC 10UF STD 25V M
C1616	0CE106DH618	C,ELECTROLYTIC 10UF STD 25V M
C1633	0CE334DK618	C,ELECTROLYTIC 0.33UF STD 50V M
C1634	0CQ5631N409	C,POLYESTER(MYLAR) 0.0560UF 100V J
C1635	0CK1030K945	C,CERAMIC(HIGH DIELE) 0.01MF 50V Z
C1636	0CQ5631N409	C,POLYESTER(MYLAR) 0.0560UF 100V J
C1637	0CE334DK618	C,ELECTROLYTIC 0.33UF STD 50V M
C1666	0CE106DH618	C,ELECTROLYTIC 10UF STD 25V M
C1667	0CE227DF618	C,ELECTROLYTIC 220UF STD 16V M
C1668	0CE477DF618	C,ELECTROLYTIC 470UF STD 16V M
C1705	0CC1810K475	C,CERAMIC(TEMP COMP) 180PF 50V J
C1708	0CC1010K465	C,CERAMIC(TEMP COMP) 100PF 50V J
C1709	0CE477DF618	C,ELECTROLYTIC 470UF STD 16V M
C1711	0CE4763F618	C,ELECTROLYTIC 47UF 16V M
C1714	0CE4763F618	C,ELECTROLYTIC 47UF 16V M
C18	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
C2S	0CN4710K519	C,TUBULA(HIGH DIELE) 470PF 50V K
C20	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C226	0CE107DF618	C,ELECTROLYTIC 100UF STD 16V M
C227	0CE106DK618	C,ELECTROLYTIC 10UF STD 50V M
C228	0CN1810K519	C,TUBULA(HIGH DIELE) 180PF 50V K
C229	0CQ2242K439	C,POLYESTER(MYLAR) 0.22UF S 50V J
C23	0CN1040K949	C,TUBULA(HIGH DIELE) 0.1M 50V Z
C230	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C231	0CX5600K409	C,TUBULA(T.C) 56P 50V J
C232	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C235	0CE107DF618	C,ELECTROLYTIC 100UF STD 16V M
C237	0CQ2242K439	C,POLYESTER(MYLAR) 0.22UF S 50V J
C238	0CN3910K519	C,TUBULA(HIGH DIELE) 390P 50V K
C239	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
C24	0CE227DF618	C,ELECTROLYTIC 220UF STD 16V M
C240	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C242	0CQ2242K439	C,POLYESTER(MYLAR) 0.22UF S 50V J
C243	0CQ2242K439	C,POLYESTER(MYLAR) 0.22UF S 50V J
C244	0CQ2242K439	C,POLYESTER(MYLAR) 0.22UF S 50V J
C245	0CQ2242K439	C,POLYESTER(MYLAR) 0.22UF S 50V J
C246	0CN1010K519	C,TUBULA(HIGH DIELE) 100PF 50V K
C248	0CN4710K519	C,TUBULA(HIGH DIELE) 470PF 50V K
C249	0CN4710K519	C,TUBULA(HIGH DIELE) 470PF 50V K
C25	0CE107DF618	C,ELECTROLYTIC 100UF STD 16V M
C250	0CN4710K519	C,TUBULA(HIGH DIELE) 470PF 50V K
C251	0CN4710K519	C,TUBULA(HIGH DIELE) 470PF 50V K
C252	0CX5600K409	C,TUBULA(T.C) 56P 50V J
C253	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
C254	0CN4710K519	C,TUBULA(HIGH DIELE) 470PF 50V K
C255	0CN4710K519	C,TUBULA(HIGH DIELE) 470PF 50V K
C256	0CQ2242K439	C,POLYESTER(MYLAR) 0.22UF S 50V J
C257	0CE477DF618	C,ELECTROLYTIC 470UF STD 16V M

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LOCA. NO	PART NO	DESCRIPTION
C258	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
C26	0CE227DJ618	C,ELECTROLYTIC 220UF STD 35V M
C263	0CE106DK618	C,ELECTROLYTIC 10UF STD 50V M
C264	0CN4710K519	C,TUBULA(HIGH DIELE) 470PF 50V K
C265	0CN4710K519	C,TUBULA(HIGH DIELE) 470PF 50V K
C266	0CN3910K519	C,TUBULA(HIGH DIELE) 390P 50V K
C267	0CN3910K519	C,TUBULA(HIGH DIELE) 390P 50V K
C2902	0CN1040K949	C,TUBULA(HIGH DIELE) 0.1M 50V Z
C2904	0CN1040K949	C,TUBULA(HIGH DIELE) 0.1M 50V Z
C2905	0CX4700K409	C,TUBULA(T.C) 47PF 50V J
C2907	0CN1810K519	C,TUBULA(HIGH DIELE) 180PF 50V K
C2909	0CSZVTA001F	C,TANTAL TAP684K035BRS
C2910	0CK1010K515	C,CERAMIC(HIGH DIELE) 100P 50V K
C2911	0CK1010K515	C,CERAMIC(HIGH DIELE) 100P 50V K
C2912	0CK4720W510	C,CERAMIC(HIGH DIELE) 4700P 500V K
C2913	0CK4720W510	C,CERAMIC(HIGH DIELE) 4700P 500V K
C2914	0CE106DP618	C,ELECTROLYTIC 10UF STD 160V M
C2915	0CE476DK618	C,ELECTROLYTIC 47UF STD 50V M
C2917	0CE106DN618	C,ELECTROLYTIC 10UF STD 100V M
C2918	0CE106DN618	C,ELECTROLYTIC 10UF STD 100V M
C2919	0CE106DP618	C,ELECTROLYTIC 10UF STD 160V M
C301	0CQ3341N401	C,POLYESTER(MYLAR) 0.33U 100V J
C302	0CE107DJ618	C,ELECTROLYTIC 100UF STD 35V M
C303	0CE108DH618	C,ELECTROLYTIC 1000UF STD 25V M
C304	0CE108DH618	C,ELECTROLYTIC 1000UF STD 25V M
C305	0CQ3331N509	C,POLYESTER(MYLAR) 0.033U 100V K
C306	0CK5610K515	C,CERAMIC(HIGH DIELE) 560P 50V K
C310	0CK5610K515	C,CERAMIC(HIGH DIELE) 560P 50V K
C401	0CE474DK618	C,ELECTROLYTIC 0.47UF STD 50V M
C403	0CK1520W515	C,CERAMIC(HIGH DIELE) 1500P 500V K
C404	0CE105DN618	C,ELECTROLYTIC 1UF STD 100V M
C405	181-083A	C,PP 1600V 0.003MF J
C406	0CK5610W515	C,CERAMIC(HIGH DIELE) 560PF 500V K
C407	181-834B	C,MPP 1600V 0.018UF J
C408	181-010K	C,PP 630V 0.01UF J
C409	0CE107DK618	C,ELECTROLYTIC 100UF STD 50V M
C411	181-013Q	C,MPP 400V 0.36UF J
C412	0CE106BR618	C,ELECTROLYTIC 10UF KME 250V M
C413	181-013P	C,MPP 400V 0.33UF J
C414	0CC1010K465	C,CERAMIC(TEMP COMP) 100PF 50V J
C415	0CK1030K945	C,CERAMIC(HIGH DIELE) 0.01MF 50V Z
C416	0CE476BK618	C,ELECTROLYTIC 47UF KME 50V M
C417	0CE5651K652	C,ELECTROLYTIC 5.6UF SM 50V M
C418	0CE5651K652	C,ELECTROLYTIC 5.6UF SM 50V M
C419	0CE476DH618	C,ELECTROLYTIC 47UF STD 25V M
C420	0CK1020K515	C,CERAMIC(HIGH DIELE) 1000PF 500V K
C421	0CE105DK618	C,ELECTROLYTIC 1UF STD 50V M
C422	0CE2276Q650	C,ELECTROLYTIC 220UF SMS 200V M
C423	0CE3361R610	C,ELECTROLYTIC 33U SM 250V M
C424	0CK56101515	C,CERAMIC(HIGH DIELE) 560P 1KV K
C425	0CQ2241N501	C,POLYESTER(MYLAR) 0.22MF 100V L
C428	0CK56101515	C,CERAMIC(HIGH DIELE) 560P 1KV K
C429	0CK56101515	C,CERAMIC(HIGH DIELE) 560P 1KV K
C430	0CE108DH618	C,ELECTROLYTIC 1000UF STD 25V M

LOCA. NO	PART NO	DESCRIPTION
C431	0CE108DJ618	C,ELECTROLYTIC 1000UF STD 35V M
C432	0CE108DH618	C,ELECTROLYTIC 1000UF STD 25V M
C433	0CQ3321N509	C,POLYESTER(MYLAR) 0.0033U 100V K
C434	0CX3R90K509	C,TUBULA(T.C) 3.9PF 50V K
C435	0CK56101515	C,CERAMIC(HIGH DIELE) 560P 1KV K
C436	0CE107DK618	C,ELECTROLYTIC 100UF STD 50V M
C438	181-091G	C,DE0907 R471K 2K
C440	0CQ2721N409	C,POLYESTER(MYLAR) 2700PF 100V J
C442	181-013V	C,MPP 400V 0.39UF J
C501	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C502	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
C503	0CQ1042K439	C,POLYESTER(MYLAR) 0.1UF S 50V J
C504	0CQ1042K439	C,POLYESTER(MYLAR) 0.1UF S 50V J
C505	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C506	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
C507	0CE107DF618	C,ELECTROLYTIC 100UF STD 16V M
C508	0CN1040K949	C,TUBULA(HIGH DIELE) 0.1M 50V Z
C509	0CN1040K949	C,TUBULA(HIGH DIELE) 0.1M 50V Z
C510	0CN1040K949	C,TUBULA(HIGH DIELE) 0.1M 50V Z
C511	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
C512	0CN1010K519	C,TUBULA(HIGH DIELE) 100PF 50V K
C513	0CN1010K519	C,TUBULA(HIGH DIELE) 100PF 50V K
C514	0CQ4742K439	C,POLYESTER(MYLAR) 0.47UF S 50V J
C515	0CQ4742K439	C,POLYESTER(MYLAR) 0.47UF S 50V J
C516	0CC6800K415	C,CERAMIC(TEMP COMP) 68P 50V J
C517	0CC6800K415	C,CERAMIC(TEMP COMP) 68P 50V J
C518	0CC3310K405	C,CERAMIC(TEMP COMP) 330P 50V J
C519	0CC2210K415	C,CERAMIC(TEMP COMP) 220P 50V J
C520	0CC2210K415	C,CERAMIC(TEMP COMP) 220P 50V J
C521	0CQ4742K439	C,POLYESTER(MYLAR) 0.47UF S 50V J
C523	0CE107DF618	C,ELECTROLYTIC 100UF STD 16V M
C524	0CQ1042K439	C,POLYESTER(MYLAR) 0.1UF S 50V J
C525	0CQ1042K439	C,POLYESTER(MYLAR) 0.1UF S 50V J
C526	0CQ1042K439	C,POLYESTER(MYLAR) 0.1UF S 50V J
C527	0CE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M
C528	0CQ1042K439	C,POLYESTER(MYLAR) 0.1UF S 50V J
C529	0CQ1042K439	C,POLYESTER(MYLAR) 0.1UF S 50V J
C530	0CQ1042K439	C,POLYESTER(MYLAR) 0.1UF S 50V J
C531	0CQ2242K439	C,POLYESTER(MYLAR) 0.22UF S 50V J
C532	0CQ1042K439	C,POLYESTER(MYLAR) 0.1UF S 50V J
C533	0CQ4731N509	C,POLYESTER(MYLAR) 0.047U 100V K
C534	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C535	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
C536	0CQ1042K439	C,POLYESTER(MYLAR) 0.1UF S 50V J
C537	0CE105DK618	C,ELECTROLYTIC 1UF STD 50V M
C538	0CE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M
C539	0CQ1042K439	C,POLYESTER(MYLAR) 0.1UF S 50V J
C540	0CQ1042K439	C,POLYESTER(MYLAR) 0.1UF S 50V J
C541	0CE105DK618	C,ELECTROLYTIC 1UF STD 50V M
C542	0CQ4721N509	C,POLYESTER(MYLAR) 0.0047U 100V K
C543	0CQ3321N509	C,POLYESTER(MYLAR) 0.0033U 100V K
C544	0CE107DF618	C,ELECTROLYTIC 100UF STD 16V M
C545	0CN1040K949	C,TUBULA(HIGH DIELE) 0.1M 50V Z
C546	0CQ1042K439	C,POLYESTER(MYLAR) 0.1UF S 50V J

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LOCA. NO	PART NO	DESCRIPTION
C547	0CQ3921N409	C,POLYESTER(MYLAR) 0.0039U 100V J
C548	0CC2210K415	C,CERAMIC(TEMP COMP) 220P 50V J
C549	0CC1500K415	C,CERAMIC(TEMP COMP) 15P 50V J
C550	0CQ1042K439	C,POLYESTER(MYLAR) 0.1UF S 50V J
C551	0CQ1042K439	C,POLYESTER(MYLAR) 0.1UF S 50V J
C552	0CN1810K519	C,TUBULA(HIGH DIELE) 180PF 50V K
C553	0CQ1042K439	C,POLYESTER(MYLAR) 0.1UF S 50V J
C554	0CN5610K519	C,TUBULA(HIGH DIELE) 560P 50V K
C555	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C563	0CE107DF618	C,ELECTROLYTIC 100UF STD 16V M
C567	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C571	0CN1040K949	C,TUBULA(HIGH DIELE) 0.1M 50V Z
C572	0CN1040K949	C,TUBULA(HIGH DIELE) 0.1M 50V Z
C573	0CN1040K949	C,TUBULA(HIGH DIELE) 0.1M 50V Z
C601	0CE226DK618	C,ELECTROLYTIC 22UF STD 50V M
C602	0CE226DK618	C,ELECTROLYTIC 22UF STD 50V M
C603	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
C604	0CQ6821N519	C,POLYESTER(MYLAR) 0.0068U 100V K
C605	0CQ6831N509	C,POLYESTER(MYLAR) 0.068U 100V K
C606	0CQ1031N509	C,POLYESTER(MYLAR) 0.01U 100V K
C607	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C608	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
C609	0CQ6831N509	C,POLYESTER(MYLAR) 0.068U 100V K
C610	0CQ1031N509	C,POLYESTER(MYLAR) 0.01U 100V K
C611	0CQ6821N519	C,POLYESTER(MYLAR) 0.0068U 100V K
C612	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
C613	0CE226DK618	C,ELECTROLYTIC 22UF STD 50V M
C614	0CE226DK618	C,ELECTROLYTIC 22UF STD 50V M
C615	0CE226DK618	C,ELECTROLYTIC 22UF STD 50V M
C616	0CE226DK618	C,ELECTROLYTIC 22UF STD 50V M
C617	0CE106DK618	C,ELECTROLYTIC 10UF STD 50V M
C618	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
C619	0CE106DK618	C,ELECTROLYTIC 10UF STD 50V M
C620	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C621	0CE106DK618	C,ELECTROLYTIC 10UF STD 50V M
C622	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C625	0CQ3342K439	C,POLYESTER(MYLAR) 0.33UF S 50V J
C626	0CQ3342K439	C,POLYESTER(MYLAR) 0.33UF S 50V J
C627	0CQ3342K439	C,POLYESTER(MYLAR) 0.33UF S 50V J
C628	0CQ3342K439	C,POLYESTER(MYLAR) 0.33UF S 50V J
C629	0CQ3342K439	C,POLYESTER(MYLAR) 0.33UF S 50V J
C630	0CQ3342K439	C,POLYESTER(MYLAR) 0.33UF S 50V J
C631	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C632	0CE106DK618	C,ELECTROLYTIC 10UF STD 50V M
C634	0CE106DK618	C,ELECTROLYTIC 10UF STD 50V M
C635	0CN1040K949	C,TUBULA(HIGH DIELE) 0.1M 50V Z
C636	0CC5600K415	C,CERAMIC(TEMP COMP) 56P 50V J
C637	0CC5600K415	C,CERAMIC(TEMP COMP) 56P 50V J
C638	0CC5600K415	C,CERAMIC(TEMP COMP) 56P 50V J
C639	0CC1300K415	C,CERAMIC(TEMP COMP) 13P 50V J
C640	0CC1300K415	C,CERAMIC(TEMP COMP) 13P 50V J
C641	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
C642	0CE105DK618	C,ELECTROLYTIC 1UF STD 50V M
C643	0CX2700K409	C,TUBULA(T.C) 27PF 50V J

LOCA. NO	PART NO	DESCRIPTION
C644	0CX2700K409	C,TUBULA(T.C) 27PF 50V J
C645	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C646	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
C647	0CQ4742K439	C,POLYESTER(MYLAR) 0.47UF S 50V J
C648	0CQ4742K439	C,POLYESTER(MYLAR) 0.47UF S 50V J
C649	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C652	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C655	0CQ1021N509	C,POLYESTER(MYLAR) 0.001U 100V K
C656	0CQ1021N509	C,POLYESTER(MYLAR) 0.001U 100V K
C657	0CK1030K945	C,CERAMIC(HIGH DIELE) 0.01MF 50V Z
C658	0CK1030K945	C,CERAMIC(HIGH DIELE) 0.01MF 50V Z
C659	0CE226DK618	C,ELECTROLYTIC 22UF STD 50V M
C660	0CE226DK618	C,ELECTROLYTIC 22UF STD 50V M
C661	0CQ1021N509	C,POLYESTER(MYLAR) 0.001U 100V K
C662	0CQ1021N509	C,POLYESTER(MYLAR) 0.001U 100V K
C701	0CC2200K415	C,CERAMIC(TEMP COMP) 22P 50V J
C702	0CC2200K415	C,CERAMIC(TEMP COMP) 22P 50V J
C703	0CQ3342K439	C,POLYESTER(MYLAR) 0.33UF S 50V J
C704	0CE105DK618	C,ELECTROLYTIC 1UF STD 50V M
C705	0CE106DK618	C,ELECTROLYTIC 10UF STD 50V M
C706	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C707	0CE106DK618	C,ELECTROLYTIC 10UF STD 50V M
C708	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C709	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C710	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C711	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
C713	0CX5600K409	C,TUBULA(T.C) 56P 50V J
C714	0CX5600K409	C,TUBULA(T.C) 56P 50V J
C715	0CX5600K409	C,TUBULA(T.C) 56P 50V J
C716	0CE226DK618	C,ELECTROLYTIC 22UF STD 50V M
C717	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
C718	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C719	0CC3000K415	C,CERAMIC(TEMP COMP) 30P 50V J
C720	0CC3000K415	C,CERAMIC(TEMP COMP) 30P 50V J
C721	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C722	0CE106DK618	C,ELECTROLYTIC 10UF STD 50V M
C723	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C724	0CE106DK618	C,ELECTROLYTIC 10UF STD 50V M
C725	0CE228DF618	C,ELECTROLYTIC 2200UF STD 16V M
C761	0CE226DK618	C,ELECTROLYTIC 22UF STD 50V M
C777	0CX6800K409	C,TUBULA(T.C) 68P 50V J
C778	0CX6800K409	C,TUBULA(T.C) 68P 50V J
C779	0CX6800K409	C,TUBULA(T.C) 68P 50V J
⚠ C801	0CQZVBK002C	C,POLYESTER A.C 275V 0.22UF K
⚠ C802	0CQZVBK002B	C,POLYESTER A.C 275V 0.15UF K
⚠ C803	0CQZVBK002B	C,POLYESTER A.C 275V 0.15UF K
C804	181-091D	C,DE0905 R 102K 1KV
C807	181-091D	C,DE0905 R 102K 1KV
C808	0CE227DH618	C,ELECTROLYTIC 220UF STD 25V M
C809	0CE106DN618	C,ELECTROLYTIC 10UF STD 100V M
C810	0CE477BH618	C,ELECTROLYTIC 470UF KME 25V M
C811	0CK1020K515	C,CERAMIC(HIGH DIELE) 1000PF 500V K
C812	181-083A	C,PP 1600V 0.003MF J
C813	181-091C	C,DE0705 R 471K 1KV

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LOCA. NO	PART NO	DESCRIPTION
C814	181-091C	C,DE0705 R 471K 1KV
C816	181-091C	C,DE0705 R 471K 1KV
C817	181-001A	C,ELECTROLYTIC 200V 470UF M
C818	0CE476DN618	C,ELECTROLYTIC 47UF STD 100V M
C819	0CE337DH618	C,ELECTROLYTIC 330UF STD 25V M
C820	0CE477DH618	C,ELECTROLYTIC 470UF STD 25V M
C821	181-120C	CAPACITOR ACT 4KV B 471K
C822	0CE108DK61A	C,ELECTROLYTIC 1000UF STD 50V M
C823	0CE108DK61A	C,ELECTROLYTIC 1000UF STD 50V M
C824	0CE4751K636	C,ELECTROLYTIC 4.7UF SM 50V M
C825	0CE4751K636	C,ELECTROLYTIC 4.7UF SM 50V M
C827	0CQ1041N509	C,POLYESTER(MYLAR) 0.1MF 100V L
C829	181-091C	C,DE0705 R 471K 1KV
C830	0CE108DF618	C,ELECTROLYTIC 1000UF STD 16V M
C831	0CE108DF618	C,ELECTROLYTIC 1000UF STD 16V M
C832	0CK1030K945	C,CERAMIC(HIGH DIELE) 0.01MF 50V Z
⚠ C834	181-001T	C,ELECTROLYTIC 400V 470UF M
C840	181-093A	C, DE 7090B 102KVA 1MKC4-14
C841	0CE3386F61A	C,ELECTROLYTIC 3300M SMS 16V M
C842	181-091C	C,DE0705 R 471K 1KV
C843	0CE476DK618	C,ELECTROLYTIC 47UF STD 50V M
C901	181-033T	CAPACITOR 2KV B 222K TP7.5
C930	0CE475DR618	C,ELECTROLYTIC 4.7UF STD 250V M
C931	0CQZVBK002A	C,POLYESTER A.C 275V 0.1UF M
C971	0CE476DK618	C,ELECTROLYTIC 47UF STD 50V M
VC1701	181-036A	C,PP 600V 0.0039MFJ
FUSE		
⚠ FR850	131-096E	FUSE,MICRO 125V 4.0A
⚠ FR851	131-096E	FUSE,MICRO 125V 4.0A
⚠ FR852	131-096E	FUSE,MICRO 125V 4.0A
⚠ F1601	131-096C	FUSE,MICRO 125V 2.0A
⚠ F801	131-098B	FUSE,4A/250V HBC TIME DELAY 5X20
FERRITE CORE		
FB801	125-022K	CORE,FERRITE 1UH
FB803	125-022K	CORE,FERRITE 1UH
FB805	125-022K	CORE,FERRITE 1UH
FB806	125-022K	CORE,FERRITE 1UH
L120	125-022K	CORE,FERRITE 1UH
L121	125-022K	CORE,FERRITE 1UH
L1603	125-123A	CORE,FERRITE BFD3565R2F
L210	125-022K	CORE,FERRITE 1UH
L219	125-022K	CORE,FERRITE 1UH
L220	125-022K	CORE,FERRITE 1UH
L221	125-022K	CORE,FERRITE 1UH
L222	125-022K	CORE,FERRITE 1UH
L224	125-022K	CORE,FERRITE 1UH
L225	125-022K	CORE,FERRITE 1UH
L2901	125-123A	CORE,FERRITE BFD3565R2F
L2903	125-022K	CORE,FERRITE 1UH
L605	125-123A	CORE,FERRITE BFD3565R2F
L606	125-123A	CORE,FERRITE BFD3565R2F
L718	125-022K	CORE,FERRITE 1UH

LOCA. NO	PART NO	DESCRIPTION
Z702	125-123A	CORE,FERRITE BFD3565R2F
JACK		
SK1S	381-091A	SOCKET,SCART JACK 21PIN
SK201	381-091A	SOCKET,SCART JACK 21PIN
PJ201	380-383A	JACK,A/V IN,VERTICAL 2P
P01K	380-374A	JACK ASSY,A/V(RCA 3EA+DIN 1EA)
COIL & TRANSFORMER		
L01	0LA0222K119	INDUCTOR,22UH K
L01K	0LA0102K119	INDUCTOR,10UH K
L01L	0LA0471K119	INDUCTOR,4.7UH K
L02	0LA0681K119	INDUCTOR,6.8UH K
L02K	0LA0102K119	INDUCTOR,10UH K
L1S	0LA0102K119	INDUCTOR,10UH K
L104	0LA0470K119	INDUCTOR,0.47UH K
L105	150-C01F	COIL,CHOKE 0.85UH A 1105
L106	0LA0102K119	INDUCTOR,10UH K
L107	150-E05B	COIL,VAR,07S 1B 77.8MHZ
L108	0LA0102K119	INDUCTOR,10UH K
L109	0LA0102K119	INDUCTOR,10UH K
L111	0LA0102K119	INDUCTOR,10UH K
L116	0LA0102K139	INDUCTOR,10UH K
L118	0LA0102K139	INDUCTOR,10UH K
L1201	150-B02A	COIL,L/C FILTER(05W) EQF
L1271	0LA0822K119	INDUCTOR,82UH K
L1273	0LA0102K119	INDUCTOR,10UH K
L1274	0LA0822K119	INDUCTOR,82UH K
L1276	0LA0102K119	INDUCTOR,10UH K
L1277	0LA0102K119	INDUCTOR,10UH K
L1701	0LA0102K119	INDUCTOR,10UH K
L2S	0LA0102K119	INDUCTOR,10UH K
L202	0LA0681K119	INDUCTOR,6.8UH K
L203	0LA0102K119	INDUCTOR,10UH K
L204	0LA0102K119	INDUCTOR,10UH K
L205	0LA0102K119	INDUCTOR,10UH K
L206	0LA0102K119	INDUCTOR,10UH K
L207	0LA0102K119	INDUCTOR,10UH K
L211	0LA0102K119	INDUCTOR,10UH K
L212	0LA0102K119	INDUCTOR,10UH K
L217	0LA0102K119	INDUCTOR,10UH K
L226	0LA0102K139	INDUCTOR,10UH K
L2905	150-B05B	COIL,L/C FILTER(07S) EQF
L401	150-L02L	COIL,H-LINEARITY,12UH
L405	150-717K	COIL,CHOKE 1.1MH
L507	0LA0102K119	INDUCTOR,10UH K
L601	0LA0472K119	INDUCTOR,47UH K
L602	0LA0102K119	INDUCTOR,10UH K
L603	0LA0102K119	INDUCTOR,10UH K
L604	0LA0102K119	INDUCTOR,10UH K
L607	0LA0102K119	INDUCTOR,10UH K
L701	0LA0102K119	INDUCTOR,10UH K
L709	0LA0102K119	INDUCTOR,10UH K
L713	0LA0681K119	INDUCTOR,6.8UH K

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LOCA. NO	PART NO	DESCRIPTION
L714	0LA0681K119	INDUCTOR 6.8UH K
L715	0LA0102K119	INDUCTOR 10UH K
L801	150-C02F	COIL,CHOKE 82UH R1217
L802	150-C02H	COIL,CHOKE 100UH R 1824
L822	150-C02F	COIL,CHOKE 82UH R1217
⚠ T401	151-C02F	TRANSFORMER,H-DRIVE,EI-19,BULK
⚠ T801	150-982C	COIL,LINE FILTER,23MH SQE
⚠ T802	150-982C	COIL,LINE FILTER,23MH SQE
⚠ T803	151-A12R	TRANSFORMER,SMPS EER4954 551.5UH
⚠ T804	150-F06B	COIL,LINE FILTER SQE2424 19-35MH
CONNECTOR		
P02B	387-A08E	CONNECTOR ASSY,8P (L=300)
P2001B	387-A04F	CONNECTOR ASSY,4P (L=350)
P2002B	387-B02G	CONNECTOR ASSY,2P SHIELD WIRE (L=400)
P204B	387-812E	CONNECTOR YJN250 6P
P301B	387-A15G	CONNECTOR ASSY,12P(L=400)
P402B	387-A03E	CONNECTOR ASSY,3P (L=300)
P601	6631V25014M	CONNECTOR 2.5MM 2P(L=600/150)
P602	6631V25014N	CONNECTOR 2.5MM 3P(L=1000/150)
P603B	387-A06L	CONNECTOR,6P (L=700)
P604B	387-A10E	CONNECTOR,10P (L=300)
P605B	387-B04J	CONNECTOR,4P SHIELD WIRE (L=500)
P801B	387-812L	CONNECTOR ASSY,YJN250 12P
P901B	387-B06F	CONNECTOR ASSY,6P SHIELD WIRE (L=350)
P902B	387-A05F	CONNECTOR ASSY,5P (L=350)
P903B	387-A03F	CONNECTOR ASSY,3P (L=350)
RESISTOR		
FR1601	0RF0221H609	R,FUSIBLE 2.2 1/2W 5
FR1603	0RF0221H609	R,FUSIBLE 2.2 1/2W 5
FR2934	0RF0102J607	R,FUSIBLE 10 1W 5%
FR2949	0RF1000H609	R,FUSIBLE 100 1/2W 5
FR405	0RS2700K607	R,METAL FILM OXIDE 270 2W 5
FR436	0RF0101J607	R,FUSIBLE 1 1W 5%
⚠ FR440	0RF0101J607	R,FUSIBLE 1 1W 5%
⚠ FR441	0RF0101J607	R,FUSIBLE 1 1W 5%
⚠ FR445	0RF0561J607	R,FUSIBLE 5.6 1W 5%
FR455	0RS2700K607	R,METAL FILM OXIDE 270 2W 5
FR459	0RF0121J607	RFUSIBLE 1.20 1W 5
⚠ FR848	0RF0470H609	R,FUSIBLE 0.47 1/2W 5
FR901	0RF0431J607	R,FUSIBLE 4.30 1W 5%
J22	0RD1000F609	R,CARBON FILM 100 1/6W 5
R01	0RD1002F609	R,CARBON FILM 10K 1/6W 5
R01K	0RD0102F609	R,CARBON FILM 10 1/6W 5
R01L	0RD2200F609	R,CARBON FILM 220 1/6W 5
R02	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R02K	0RD0752F609	R,CARBON FILM 75 1/6W 5
R02L	0RD2200F609	R,CARBON FILM 220 1/6W 5
R03K	0RD0102F609	R,CARBON FILM 10 1/6W 5
R03L	0RD2200F609	R,CARBON FILM 220 1/6W 5
R04K	0RD0752F609	R,CARBON FILM 75 1/6W 5
R04L	0RD2200F609	R,CARBON FILM 220 1/6W 5
R05	0RD1002F609	R,CARBON FILM 10K 1/6W 5

LOCA. NO	PART NO	DESCRIPTION
R05K	0RD0102F609	R,CARBON FILM 10 1/6W 5
R06	0RD3301F609	R,CARBON FILM 3.3K 1/6W 5
R06K	0RD0752F609	R,CARBON FILM 75 1/6W 5
R07	0RD2200F609	R,CARBON FILM 220 1/6W 5
R07K	0RD2202F609	R,CARBON FILM 22K 1/6W 5
R08	0RD3301F609	R,CARBON FILM 3.3K 1/6W 5
R08K	0RD2202F609	R,CARBON FILM 22K 1/6W 5
R09	0RD2200F609	R,CARBON FILM 220 1/6W 5
R1S	0RD3300F609	R,CARBON FILM 330 1/6W 5
R10K	0RD6200F609	R,CARBON FILM 620 1/6W 5
R101	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R102	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R103	0RD1000F609	R,CARBON FILM 100 1/6W 5
R104	0RD2402F609	R,CARBON FILM 24K 1/6W 5
R105	0RD5602F609	R,CARBON FILM 56K 1/6W 5
R106	0RD3902F609	R,CARBON FILM 39K 1/6W 5
R107	0RD5602F609	R,CARBON FILM 56K 1/6W 5
R108	0RD2000F609	R,CARBON FILM 200 1/6W 5
R109	0RD1201F609	R,CARBON FILM 1.2K 1/6W 5
R11K	0RD9100F609	R,CARBON FILM 910 1/6W 5
R110	0RD3601F609	R,CARBON FILM 3.6K 1/6W 5
R111	0RD0222F609	R,CARBON FILM 22 1/6W 5
R112	0RD6800F609	R,CARBON FILM 680 1/6W 5
R117	0RD4700F609	R,CARBON FILM 470 1/6W 5
R12K	0RD6200F609	R,CARBON FILM 620 1/6W 5
R121	0RD3001F609	R,CARBON FILM 3.0K 1/6W 5
R122	0RD2202F609	R,CARBON FILM 22K 1/6W 5
R123	0RD2202F609	R,CARBON FILM 22K 1/6W 5
R125	0RD2202F609	R,CARBON FILM 22K 1/6W 5
R126	0RD2000F609	R,CARBON FILM 200 1/6W 5
R1276	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R1279	0RD1002F609	R,CARBON FILM 10K 1/6W 5
R128	0RD0472F609	R,CARBON FILM 47 1/6W 5
R1281	0RD4302F609	R,CARBON FILM 43K 1/6W 5
R1283	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R1287	0RD5101F609	R,CARBON FILM 5.1K 1/6W 5
R1289	0RD1801F609	R,CARBON FILM 1.8K 1/6W 5
R1293	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R1296	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R13K	0RD1501F609	R,CARBON FILM 1.5K 1/6W 5
R134	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R135	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R136	0RD0752F609	R,CARBON FILM 75 1/6W 5
R14	0RD2200F609	R,CARBON FILM 220 1/6W 5
R14K	0RD9100F609	R,CARBON FILM 910 1/6W 5
R15	0RD1002F609	R,CARBON FILM 10K 1/6W 5
R15K	0RD1501F609	R,CARBON FILM 1.5K 1/6W 5
R16	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R16K	0RD3001F609	R,CARBON FILM 3.0K 1/6W 5
R1602	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R1604	0RD6200F609	R,CARBON FILM 620 1/6W 5
R1605	0RD6801F609	R,CARBON FILM 6.8K 1/6W 5
R1606	0RD3301F609	R,CARBON FILM 3.3K 1/6W 5
R1607	0RD6801F609	R,CARBON FILM 6.8K 1/6W 5

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LOCA. NO	PART NO	DESCRIPTION
R1608	0RD3301F609	R,CARBON FILM 3.3K 1/6W 5
R1609	0RD6200F609	R,CARBON FILM 620 1/6W 5
R1621	0RD1802F609	R,CARBON FILM 18K 1/6W 5
R1622	0RD4703F609	R,CARBON FILM 470K 1/6W 5
R1623	0RD3902F609	R,CARBON FILM 39K 1/6W 5
R1624	0RD3902F609	R,CARBON FILM 39K 1/6W 5
R1625	0RD1002F609	R,CARBON FILM 10K 1/6W 5
R1626	0RD1802F609	R,CARBON FILM 18K 1/6W 5
R1627	0RD4703F609	R,CARBON FILM 470K 1/6W 5
R1634	0RD1002F609	R,CARBON FILM 10K 1/6W 5
R1638	0RD1002F609	R,CARBON FILM 10K 1/6W 5
R1639	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R1640	0RD1002F609	R,CARBON FILM 10K 1/6W 5
R1641	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R1642	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R17	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R17K	0RD9101F609	R,CARBON FILM 9.1K 1/6W 5
R1707	0RN2103F409	R,METAL FILM 210K 1/6W 1% TA52
R1708	0RN8202F409	R,METAL FILM 82K 1/6W 1%
R18	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R18K	0RD3001F609	R,CARBON FILM 3.0K 1/6W 5
R19	0RD2200F609	R,CARBON FILM 220 1/6W 5
R2S	0RD3300F609	R,CARBON FILM 330 1/6W 5
R20	0RD3001F609	R,CARBON FILM 3.0K 1/6W 5
R21	0RD3001F609	R,CARBON FILM 3.0K 1/6W 5
R210	0RD0681F609	R,CARBON FILM 6.8 1/6W 5
R211	0RD9100F609	R,CARBON FILM 910 1/6W 5
R212	0RD1000F609	R,CARBON FILM 100 1/6W 5
R213	0RD0102F609	R,CARBON FILM 10 1/6W 5
R214	0RD0102F609	R,CARBON FILM 10 1/6W 5
R217	0RD0681F609	R,CARBON FILM 6.8 1/6W 5
R218	0RD1000F609	R,CARBON FILM 100 1/6W 5
R219	0RD2200F609	R,CARBON FILM 220 1/6W 5
R22	0RD2200F609	R,CARBON FILM 220 1/6W 5
R222	0RD0122F609	R,CARBON FILM 12 1/6W 5 TA52
R227	0RD2200F609	R,CARBON FILM 220 1/6W 5
R228	0RD2200F609	R,CARBON FILM 220 1/6W 5
R229	0RD1500F609	R,CARBON FILM 150 1/6W 5
R23	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R230	0RD0822F609	R,CARBON FILM 82 1/6W 5
R231	0RD0752F609	R,CARBON FILM 75 1/6W 5
R232	0RD2203F609	R,CARBON FILM 220K 1/6W 5
R233	0RD3300F609	R,CARBON FILM 330 1/6W 5
R234	0RD3300F609	R,CARBON FILM 330 1/6W 5
R235	0RD2203F609	R,CARBON FILM 220K 1/6W 5
R236	0RD0102F609	R,CARBON FILM 10 1/6W 5
R238	0RD0102F609	R,CARBON FILM 10 1/6W 5
R24	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R242	0RD3300F609	R,CARBON FILM 330 1/6W 5
R243	0RD3300F609	R,CARBON FILM 330 1/6W 5
R244	0RD2000F609	R,CARBON FILM 200 1/6W 5
R245	0RD2000F609	R,CARBON FILM 200 1/6W 5
R246	0RD4700F609	R,CARBON FILM 470 1/6W 5
R247	0RD1000F609	R,CARBON FILM 100 1/6W 5

LOCA. NO	PART NO	DESCRIPTION
R248	0RD0681F609	R,CARBON FILM 6.8 1/6W 5
R249	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R25	0RD2001F609	R,CARBON FILM 2.0K 1/6W 5
R250	0RD2200F609	R,CARBON FILM 220 1/6W 5
R251	0RD0752F609	R,CARBON FILM 75 1/6W 5
R252	0RD0752F609	R,CARBON FILM 75 1/6W 5
R253	0RD0752F609	R,CARBON FILM 75 1/6W 5
R26	0RD2200F609	R,CARBON FILM 220 1/6W 5
R27	0RD2200F609	R,CARBON FILM 220 1/6W 5
R28	0RD1000F609	R,CARBON FILM 100 1/6W 5
R29	0RD1000F609	R,CARBON FILM 100 1/6W 5
R2902	0RD0222F609	R,CARBON FILM 22 1/6W 5
R2906	0RD1000F609	R,CARBON FILM 100 1/6W 5
R2907	0RD1000F609	R,CARBON FILM 100 1/6W 5
R2908	0RD1201F609	R,CARBON FILM 1.2K 1/6W 5
R2909	0RD2201F609	R,CARBON FILM 2.2K 1/6W 5
R2910	0RD4300F609	R,CARBON FILM 430 1/6W 5
R2911	0RD3901F609	R,CARBON FILM 3.9K 1/6W 5
R2912	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R2913	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R2914	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R2916	0RD2701F609	R,CARBON FILM 2.7K 1/6W 5
R2920	0RD3300F609	R,CARBON FILM 330 1/6W 5
R2921	0RD4700F609	R,CARBON FILM 470 1/6W 5
R2922	0RD3300F609	R,CARBON FILM 330 1/6W 5
R2929	0RD2200F609	R,CARBON FILM 220 1/6W 5
R2930	0RD1000F609	R,CARBON FILM 100 1/6W 5
R2931	0RD2200F609	R,CARBON FILM 220 1/6W 5
R2932	0RD0822F609	R,CARBON FILM 82 1/6W 5
R2933	0RD0822F609	R,CARBON FILM 82 1/6W 5
R2935	0RD1202F609	R,CARBON FILM 12K 1/6W 5
R2936	0RS6801H609	R,METAL FILM OXIDE 6.8K 1/2W 5
R2937	0RD6802F609	R,CARBON FILM 68K 1/6W 5
R2938	0RD6802F609	R,CARBON FILM 68K 1/6W 5
R2939	0RS6801H609	R,METAL FILM OXIDE 6.8K 1/2W 5
R2940	0RS4701H609	R,METAL FILM OXIDE 4.7K 1/2W 5
R2941	0RS4701H609	R,METAL FILM OXIDE 4.7K 1/2W 5
R2942	0RS1500H609	R,METAL FILM OXIDE 150 1/2W 5
R2943	0RD0331H609	R,CARBON FILM 3.3 1/2W 5
R2944	0RS1500H609	R,METAL FILM OXIDE 150 1/2W 5
R2945	0RD0331H609	R,CARBON FILM 3.3 1/2W 5
R2946	0RD6800H609	R,CARBON FILM 680 1/2W 5
R2947	0RD6800H609	R,CARBON FILM 680 1/2W 5
R2990	0RD5101F609	R,CARBON FILM 5.1K 1/6W 5
R30	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R304	0RN2001F409	R,METAL FILM 2K 1/6W 1%
R305	0RD0101H609	R,CARBON FILM 1.0 1/2W 5
R306	0RN0121J607	R,METAL FILM 1.20 1W 5% TA62
R307	0RS3300J607	R,METAL FILM OXIDE 330 1W 5%
R308	0RN2001F409	R,METAL FILM 2K 1/6W 1%
R31	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R312	0RD1002F609	R,CARBON FILM 10K 1/6W 5
R314	0RD5601F609	R,CARBON FILM 5.6K 1/6W 5
R315	0RD2200F609	R,CARBON FILM 220 1/6W 5

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LOCA. NO	PART NO	DESCRIPTION
R316	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R32	0RD2001F609	R,CARBON FILM 2.0K 1/6W 5
R33	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R34	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R35	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R36	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R37	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R38	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R40	0RD2200F609	R,CARBON FILM 220 1/6W 5
R401	0RD1000F609	R,CARBON FILM 100 1/6W 5
R402	0RD3301F609	R,CARBON FILM 3.3K 1/6W 5
R403	0RD2401H609	R,CARBON FILM 2.4K 1/2W 5
R404	0RD0562H609	R,CARBON FILM 56 1/2W 5
R406	180-A01C	R,RW ROUND G 2W 0.12 J
R407	0RS5600J607	R,METAL FILM OXIDE 560 1W 5%
R408	0RD0222F609	R,CARBON FILM 22 1/6W 5
R409	0RD1303H609	R,CARBON FILM 130K 1/2W 5
R410	0RD1202F609	R,CARBON FILM 12K 1/6W 5
R411	0RS1802K607	R,METAL FILM OXIDE 18K 2W 5%
R412	0RS1802K607	R,METAL FILM OXIDE 18K 2W 5%
R413	0RD7501F609	R,CARBON FILM 7.5K 1/6W 5
R414	0RD3602F609	R,CARBON FILM 36K 1/6W 5
R415	0RD1000F609	R,CARBON FILM 100 1/6W 5
R416	0RD5602F609	R,CARBON FILM 56K 1/6W 5
R417	0RD4700F609	R,CARBON FILM 470 1/6W 5
R418	0RD3301F609	R,CARBON FILM 3.3K 1/6W 5
R419	0RD1501F609	R,CARBON FILM 1.5K 1/6W 5
R420	0RD1201F609	R,CARBON FILM 1.2K 1/6W 5
R421	0RD3901F609	R,CARBON FILM 3.9K 1/6W 5
R422	0RD2001H609	R,CARBON FILM 2.0K 1/2W 5
R423	0RS2701J607	R,METAL FILM OXIDE 2.70K 1W 5%
R424	0RS0102K607	R,METAL FILM OXIDE 10 2W 5
R425	0RD1202F609	R,CARBON FILM 12K 1/6W 5
R426	0RD1201H609	R,CARBON FILM 1.2K 1/2W 5
R427	0RD1003F609	R,CARBON FILM 100K 1/6W 5
R428	0RD1201F609	R,CARBON FILM 1.2K 1/6W 5
R429	0RD1502F609	R,CARBON FILM 15K 1/6W 5
R43	0RD6801F609	R,CARBON FILM 6.8K 1/6W 5
R430	0RD1201F609	R,CARBON FILM 1.2K 1/6W 5
R432	0RD1202H609	R,CARBON FILM 12K 1/2W 5
R433	0RD2202H609	R,CARBON FILM 22K 1/2W 5
R434	0RD1003F609	R,CARBON FILM 100K 1/6W 5
R435	0RD1003F609	R,CARBON FILM 100K 1/6W 5
R436	0RS0470J607	R,METAL FILM OXIDE 0.47 1W 5%
R437	0RD2401H609	R,CARBON FILM 2.4K 1/2W 5
R439	0RD1001H609	R,CARBON FILM 1.0K 1/2W 5
R44	0RD1502F609	R,CARBON FILM 15K 1/6W 5
R442	0RD1000H609	R,CARBON FILM 100 1/2W 5
R443	0RD3301H609	R,CARBON FILM 3.3K 1/2W 5
R444	0RD1002F609	R,CARBON FILM 10K 1/6W 5
R445	0RD6802F609	R,CARBON FILM 68K 1/6W 5
R449	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R45	0RD1201F609	R,CARBON FILM 1.2K 1/6W 5
R450	0RD6800F609	R,CARBON FILM 680 1/6W 5

LOCA. NO	PART NO	DESCRIPTION
R451	0RD6801F609	R,CARBON FILM 6.8K 1/6W 5
R452	0RD5601F609	R,CARBON FILM 5.6K 1/6W 5
R453	0RD9101F609	R,CARBON FILM 9.1K 1/6W 5
R454	0RD4702F609	R,CARBON FILM 47K 1/6W 5
R455	0RD1202F609	R,CARBON FILM 12K 1/6W 5
R456	0RD4702F609	R,CARBON FILM 47K 1/6W 5
R457	0RD4702F609	R,CARBON FILM 47K 1/6W 5
R458	0RD4702F609	R,CARBON FILM 47K 1/6W 5
R459	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R46	0RD1201F609	R,CARBON FILM 1.2K 1/6W 5
R460	0RD1201F609	R,CARBON FILM 1.2K 1/6W 5
R461	0RD3301F609	R,CARBON FILM 3.3K 1/6W 5
R47	0RD1201F609	R,CARBON FILM 1.2K 1/6W 5
R48	0RD1201F609	R,CARBON FILM 1.2K 1/6W 5
R50	0RD2200F609	R,CARBON FILM 220 1/6W 5
R501	0RD0102F609	R,CARBON FILM 10 1/6W 5
R502	0RD0102F609	R,CARBON FILM 10 1/6W 5
R503	0RD2200F609	R,CARBON FILM 220 1/6W 5
R504	0RD6200F609	R,CARBON FILM 620 1/6W 5
R505	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R506	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R507	0RD1000F609	R,CARBON FILM 100 1/6W 5
R508	0RD1000F609	R,CARBON FILM 100 1/6W 5
R509	0RD0471F609	R,CARBON FILM 4.7 1/6W 5
R51	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R510	0RD1201F609	R,CARBON FILM 1.2K 1/6W 5
R512	0RD0752F609	R,CARBON FILM 75 1/6W 5
R513	0RD0752F609	R,CARBON FILM 75 1/6W 5
R514	0RD0752F609	R,CARBON FILM 75 1/6W 5
R516	0RD6200F609	R,CARBON FILM 620 1/6W 5
R517	0RD6200F609	R,CARBON FILM 620 1/6W 5
R518	0RD6200F609	R,CARBON FILM 620 1/6W 5
R519	0RD1000F609	R,CARBON FILM 100 1/6W 5
R52	0RD2200F609	R,CARBON FILM 220 1/6W 5
R520	0RD1002F609	R,CARBON FILM 10K 1/6W 5
R521	0RD3300F609	R,CARBON FILM 330 1/6W 5
R522	0RD3300F609	R,CARBON FILM 330 1/6W 5
R523	0RD3300F609	R,CARBON FILM 330 1/6W 5
R524	0RD1000F609	R,CARBON FILM 100 1/6W 5
R527	0RD3300F609	R,CARBON FILM 330 1/6W 5
R529	0RD6200F609	R,CARBON FILM 620 1/6W 5
R53	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R530	0RD6200F609	R,CARBON FILM 620 1/6W 5
R533	0RD2701F609	R,CARBON FILM 2.7K 1/6W 5
R534	0RD2001F609	R,CARBON FILM 2.0K 1/6W 5
R535	0RD1501F609	R,CARBON FILM 1.5K 1/6W 5
R536	0RD0471F609	R,CARBON FILM 4.7 1/6W 5
R54	0RD2200F609	R,CARBON FILM 220 1/6W 5
R540	0RN3902F409	R, METAL FILM 39K 1/6W 1%
R541	0RD2702F609	R,CARBON FILM 27K 1/6W 5
R542	0RD1003F609	R,CARBON FILM 100K 1/6W 5
R543	0RD6200F609	R,CARBON FILM 620 1/6W 5
R544	0RD1002F609	R,CARBON FILM 10K 1/6W 5
R545	0RD1002F609	R,CARBON FILM 10K 1/6W 5

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LOCA. NO	PART NO	DESCRIPTION
R546	0RD5601F609	R,CARBON FILM 5.6K 1/6W 5
R547	0RD1201F609	R,CARBON FILM 1.2K 1/6W 5
R548	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R549	0RD0471F609	R,CARBON FILM 4.7 1/6W 5
R55	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R550	0RD1003F609	R,CARBON FILM 100K 1/6W 5
R551	0RD1201F609	R,CARBON FILM 1.2K 1/6W 5
R552	0RD1201F609	R,CARBON FILM 1.2K 1/6W 5
R553	0RD1000F609	R,CARBON FILM 100 1/6W 5
R557	0RD4702F609	R,CARBON FILM 47K 1/6W 5
R558	0RD4702F609	R,CARBON FILM 47K 1/6W 5
R559	0RD4703F609	R,CARBON FILM 470K 1/6W 5
R56	0RD2200F609	R,CARBON FILM 220 1/6W 5
R560	0RD2203F609	R,CARBON FILM 220K 1/6W 5
R561	0RD2200F609	R,CARBON FILM 220 1/6W 5
R563	0RD2200F609	R,CARBON FILM 220 1/6W 5
R565	0RD0752F609	R,CARBON FILM 75 1/6W 5
R566	0RD1000F609	R,CARBON FILM 100 1/6W 5
R567	0RD1000F609	R,CARBON FILM 100 1/6W 5
R57	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R570	0RD1000F609	R,CARBON FILM 100 1/6W 5
R571	0RD1000F609	R,CARBON FILM 100 1/6W 5
R572	0RD1000F609	R,CARBON FILM 100 1/6W 5
R58	0RD2200F609	R,CARBON FILM 220 1/6W 5
R59	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R601	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R602	0RD4700F609	R,CARBON FILM 470 1/6W 5
R603	0RD7501F609	R,CARBON FILM 7.5K 1/6W 5
R604	0RD4700F609	R,CARBON FILM 470 1/6W 5
R605	0RD4700F609	R,CARBON FILM 470 1/6W 5
R606	0RD5102F609	R,CARBON FILM 51K 1/6W 5
R607	0RD5102F609	R,CARBON FILM 51K 1/6W 5
R608	0RD4700F609	R,CARBON FILM 470 1/6W 5
R609	0RD4700F609	R,CARBON FILM 470 1/6W 5
R610	0RD4700F609	R,CARBON FILM 470 1/6W 5
R611	0RD7501F609	R,CARBON FILM 7.5K 1/6W 5
R612	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R613	0RD5102F609	R,CARBON FILM 51K 1/6W 5
R614	0RD5102F609	R,CARBON FILM 51K 1/6W 5
R618	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R619	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R62	0RD2200F609	R,CARBON FILM 220 1/6W 5
R620	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R621	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R622	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R623	0RD2001F609	R,CARBON FILM 2K 1/6W 5
R624	0RD2001F609	R,CARBON FILM 2K 1/6W 5
R625	0RD1002F609	R,CARBON FILM 10K 1/6W 5
R626	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R627	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R63	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R630	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R631	0RD3901F609	R,CARBON FILM 3.9K 1/6W 5
R632	0RD3901F609	R,CARBON FILM 3.9K 1/6W 5

LOCA. NO	PART NO	DESCRIPTION
R633	0RD3901F609	R,CARBON FILM 3.9K 1/6W 5
R634	0RD3901F609	R,CARBON FILM 3.9K 1/6W 5
R635	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R636	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R637	0RD2203F609	R,CARBON FILM 220K 1/6W 5
R638	0RD2203F609	R,CARBON FILM 220K 1/6W 5
R639	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R64	0RD2200F609	R,CARBON FILM 220 1/6W 5
R640	0RD6202F609	R,CARBON FILM 62K 1/6W 5
R641	0RD1003F609	R,CARBON FILM 100K 1/6W 5
R642	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R643	0RD6202F609	R,CARBON FILM 62K 1/6W 5
R644	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R645	0RD1003F609	R,CARBON FILM 100K 1/6W 5
R646	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R65	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R66	0RD2200F609	R,CARBON FILM 220 1/6W 5
R67	0RD1003F609	R,CARBON FILM 100K 1/6W 5
R69	0RD1002F609	R,CARBON FILM 10K 1/6W 5
R70	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R701	0RD1002F609	R,CARBON FILM 10K 1/6W 5
R702	0RD1002F609	R,CARBON FILM 10K 1/6W 5
R703	0RD1500F609	R,CARBON FILM 150 1/6W 5
R705	0RD1200F609	R,CARBON FILM 120 1/6W 5
R706	0RD1200F609	R,CARBON FILM 120 1/6W 5
R707	0RD1200F609	R,CARBON FILM 120 1/6W 5
R708	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R709	0RD8201F609	R,CARBON FILM 8.2K 1/6W 5
R711	0RD1000F609	R,CARBON FILM 100 1/6W 5
R712	0RD1000F609	R,CARBON FILM 100 1/6W 5
R72	0RD0102F609	R,CARBON FILM 10 1/6W 5
R721	0RD1000F609	R,CARBON FILM 100 1/6W 5
R737	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R739	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R741	0RD2200F609	R,CARBON FILM 220 1/6W 5
R751	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R766	0RD2200F609	R,CARBON FILM 220 1/6W 5
R767	0RD2200F609	R,CARBON FILM 220 1/6W 5
R768	0RD0102F609	R,CARBON FILM 10 1/6W 5
R77	0RD1000F609	R,CARBON FILM 100 1/6W 5
R777	0RD1000F609	R,CARBON FILM 100 1/6W 5
R801	0RS2702K607	R,METAL FILM OXIDE 27K 2W 5%
⚠ R802	180-A03H	R,RW RECT G 10W 1.0 J
R803	0RD1802H609	R,CARBON FILM 18K 1/2W 5
R804	0RS0182K607	R,METAL FILM OXIDE 18 2W 5%
R805	0RD4700F609	R,CARBON FILM 470 1/6W 5
R806	0RD2201F609	R,CARBON FILM 2.2K 1/6W 5
R807	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R808	180-A01K	R,CEMENT RW ROUND G 2W 0.24 J
R809	0RD5100F609	R,CARBON FILM 510 1/6W 5
R810	0RD2001F609	R,CARBON FILM 2.0K 1/6W 5
R811	0RS2702K607	R,METAL FILM OXIDE 27K 2W 5%
R813	0RD3302F609	R,CARBON FILM 33K 1/6W 5
⚠ R814	180-C02L	R,CARBON COMPOSITE 0.47MOHM 1/2 W 10%

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LOCA. NO	PART NO	DESCRIPTION
R818	0RD1201H609	R,CARBON FILM 1.2K 1/2W 5
R819	0RD3300F609	R,CARBON FILM 330 1/6W 5
R820	0RD2400H609	R,CARBON FILM 240 1/2W 5
R821	0RD2000F609	R,CARBON FILM 200 1/6W 5
R822	0RD3300F609	R,CARBON FILM 330 1/6W 5
R823	0RD3300F609	R,CARBON FILM 330 1/6W 5
⚠ R824	180-C02H	R,CARBON COMPOSIT RC 1/2W 8.2M K
R825	0RD2201F609	R,CARBON FILM 2.2K 1/6W 5
R826	0RD1803H609	R,CARBON FILM 180K 1/2W 5
R828	0RD4702F609	R,CARBON FILM 47K 1/6W 5
R829	0RS6801K607	R,METAL FILM OXIDE 6.80K 2W 5%
R830	0RS6801K607	R,METAL FILM OXIDE 6.80K 2W 5%
R831	0RD6801H609	R,CARBON FILM 6.8K 1/2W 5
R834	0RS1001H609	R,METAL FILM OXIDE 1.0K 1/2W 5
R836	0RS0682K607	R,METAL FILM OXIDE 68 2W 5%
R837	0RD1803H609	R,CARBON FILM 180K 1/2W 5
R839	0RS1002K607	R,METAL FILM OXIDE 10K 2W 5%
R840	0RD0680H609	R,CARBON FILM 0.68 1/2W 5
R841	0RD0680H609	R,CARBON FILM 0.68 1/2W 5
R842	0RD5601H609	R,CARBON FILM 5.6K 1/2W 5
R843	0RD1000H609	R,CARBON FILM 100 1/2W 5
R846	0RD2001F609	R,CARBON FILM 2.0K 1/6W 5
R851	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R855	0RD1001F609	R,CARBON FILM 1K 1/6W 5
R856	0RD4702F609	R,CARBON FILM 47K 1/6W 5
R857	0RD4702F609	R,CARBON FILM 47K 1/6W 5
R904	0RD1000F609	R,CARBON FILM 100 1/6W 5
R908	0RD3302F609	R,CARBON FILM 33K 1/6W 5
R909	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R910	0RD2200F609	R,CARBON FILM 220 1/6W 5
R911	0RD0752F609	R,CARBON FILM 75 1/6W 5
R915	0RD1000F609	R,CARBON FILM 100 1/6W 5
R916	0RS1501H609	R,METAL FILM OXIDE 1.5K 1/2W 5
R920	0RD2200F609	R,CARBON FILM 220 1/6W 5
R921	0RD0752F609	R,CARBON FILM 75 1/6W 5
R925	0RD1000F609	R,CARBON FILM 100 1/6W 5
R926	0RS1501H609	R,METAL FILM OXIDE 1.5K 1/2W 5
R930	0RD2200F609	R,CARBON FILM 220 1/6W 5
R931	0RD0752F609	R,CARBON FILM 75 1/6W 5
R935	0RD1000F609	R,CARBON FILM 100 1/6W 5
R936	0RS1501H609	R,METAL FILM OXIDE 1.5K 1/2W 5
R971	0RD7500F609	R,CARBON FILM 750 1/6W 5
R972	0RD4700F609	R,CARBON FILM 470 1/6W 5
R976	0RD2003H609	R,CARBON FILM 200K 1/2W 5
VR101	180-F03J	R,SEMI-FIX(H) EVN-DJAA03 B203
SPARK GAP		
SK901	6918VRA001A	SPARK GAP,RADIAL DSP-301N-C04F 300V
SK902	6918VRA001A	SPARK GAP,RADIAL DSP-301N-C04F 300V
SK903	6918VRA001A	SPARK GAP,RADIAL DSP-301N-C04F 300V
SWITCH		
SW1	140-313B	SWITCH,TACT 2LEAD
SW2	140-313B	SWITCH,TACT 2LEAD
SW3	140-313B	SWITCH,TACT 2LEAD
SW4	140-313B	SWITCH,TACT 2LEAD
SW5	140-313B	SWITCH,TACT 2LEAD
SW6	140-313B	SWITCH,TACT 2LEAD
SW7	140-313B	SWITCH,TACT 2LEAD
SW8	140-313B	SWITCH,TACT 2LEAD
SW9	140-313B	SWITCH,TACT 2LEAD
SW10	140-313B	SWITCH,TACT 2LEAD
SW11	140-313B	SWITCH,TACT 2LEAD
⚠ SW801	6600VM2001A	SWITCH,PUSH POWER SDDFC3 4A/128A 250V
CRYSTAL & FILTER		
X501	156-A01B	CRYSTAL,3.579545 16PF 90 OHM
X502	156-001B	CRYSTAL,4.433619MHZ(00384)PHILIPS
X601	156-A02R	CRYSTAL,18.432000 16PF 20 OHM BULK
X701	156-A02H	CRYSTAL,20.480000 18PF 20 OHM BULK
X702	156-A02B	CRYSTAL,12.000000 16PF 30 OHM BULK
Z01	166-F01G	FILTER,EMI,DSS306-93FZ103N 100V TA
Z03	166-F01G	FILTER,EMI,DSS306-93FZ103N 100V TA
Z101	166-A01B	FILTER,OFWK3953M 37.4MHZ
Z104	166-C04C	FILTER,TRAP TPWA02B-TF21(5.5/6.5)
Z105	166-C06A	FILTER,MKT40.9MA110P-TF01
Z106	166-A01T	FILTER,OFWG9354M 32.4MHZ
Z107	166-C06D	FILTER(CIRC),TRAP MKT40.4MA110P-TF01
Z110	166-F01G	FILTER,EMI,DSS306-93FZ103N 100V TA
Z111	166-F01G	FILTER,EMI,DSS306-93FZ103N 100V TA
Z112	166-F01G	FILTER,EMI,DSS306-93FZ103N 100V TA
Z114	166-F02A	FILTER,EMI,NFV610-655 T2A 106 BK
Z1601	166-F01G	FILTER,EMI,DSS306-93FZ103N 100V TA
MISCELLANEOUS		
	343-A94A	SUPPORTER,PCB
	343-B41A	SUPPORTER,SCART
	351-008A	LINK,POWER S/W
PA01L	6726VH0001A	PRE-AMP,TSOP1238RF1 TEMIC 38KHZ .
P906	381-226D	SOCKET,CPT PCS628-01S/LESS
⚠ RL801	141-018E	RELAY,DG12D1-0(M)-2 12V44MA
TH401	163-048E	THERMISTOR,KC5A130L 500V
⚠ TH801	163-058A	THERMISTOR,J503P53D070M290S
TU101	113-234K	TUNER,TUGG9-D07F LGEC PAL 38.9MHZ FS
X01	166-E05C	RESONATOR,RESO, CST8.00MTW-TF01
⚠ T403	6174Z-6016C	FBT,FTMPC
ACCESSORIES		
A1	3828VA0172B	MANUAL,OWNERS PD8TA,LG EN 026A TX
A2	6710V00026A	REMOTE CONTROLLER PD-8TA DIGITAL

Service Sheet of PD-8TA

P/N : 3854VA0048A-S2(1/2)
DATE : 98.12.04

NOTICE
Shown here is basic circuit diagram.
The value of components and some partial connection are subject to change for improvement.
The components marked ⚠ conform to VDE or IEC guide-lines and are essential for safe operation of the set. While those marked ⚠ are required for correct operation. Use specified parts only when replacing.

Value of resistor, capacitor and inductor
1. Resistances are shown in ohm. K=1,000. M=1,000,000.
2. Unless otherwise noted in schematic: all capacitor values less than 1 are expressed in uF and the values are than 1 in pF. The sign of (M) in schematic means MYLAR CAPACITOR.
3. Unless otherwise noted in schematic: all inductor values less than 1 are expressed in uH.

Observation of voltage and Waveforms
1. Voltages with VTVM from point shown to chassis ground. Line voltage is 220volts +/- 10%.
2. The schematic shown is representative only. Signal pattern is color-bar.
3. All waveforms are taken using a wide band oscilloscope
4. Check fine setting ACC, Brightness, Contrast and Colour for best picture. make sure that colour, Brightness are in mid position and Contrast is in 75%.

Video (CVBS)
Audio
Chroma(RGB)
Y(Luminance)
V
H
Waveform

REMOTE CONTROL

POWER & DEF.

HOT COLD

<CPT/VM PCB ASSY>

V.M

AUDIO AMP

SHARP & BLK

Service Sheet of PD-8TA

P/N : 3854VA0048A-S1(1/2)
DATE : 98.12.04

SCHEMATIC DIAGRAM
OF PD-8TA CHASSIS
<MODEL : DI-28Z12>

< MAIN1 >

<POWER-IN>

<KEY& AV>

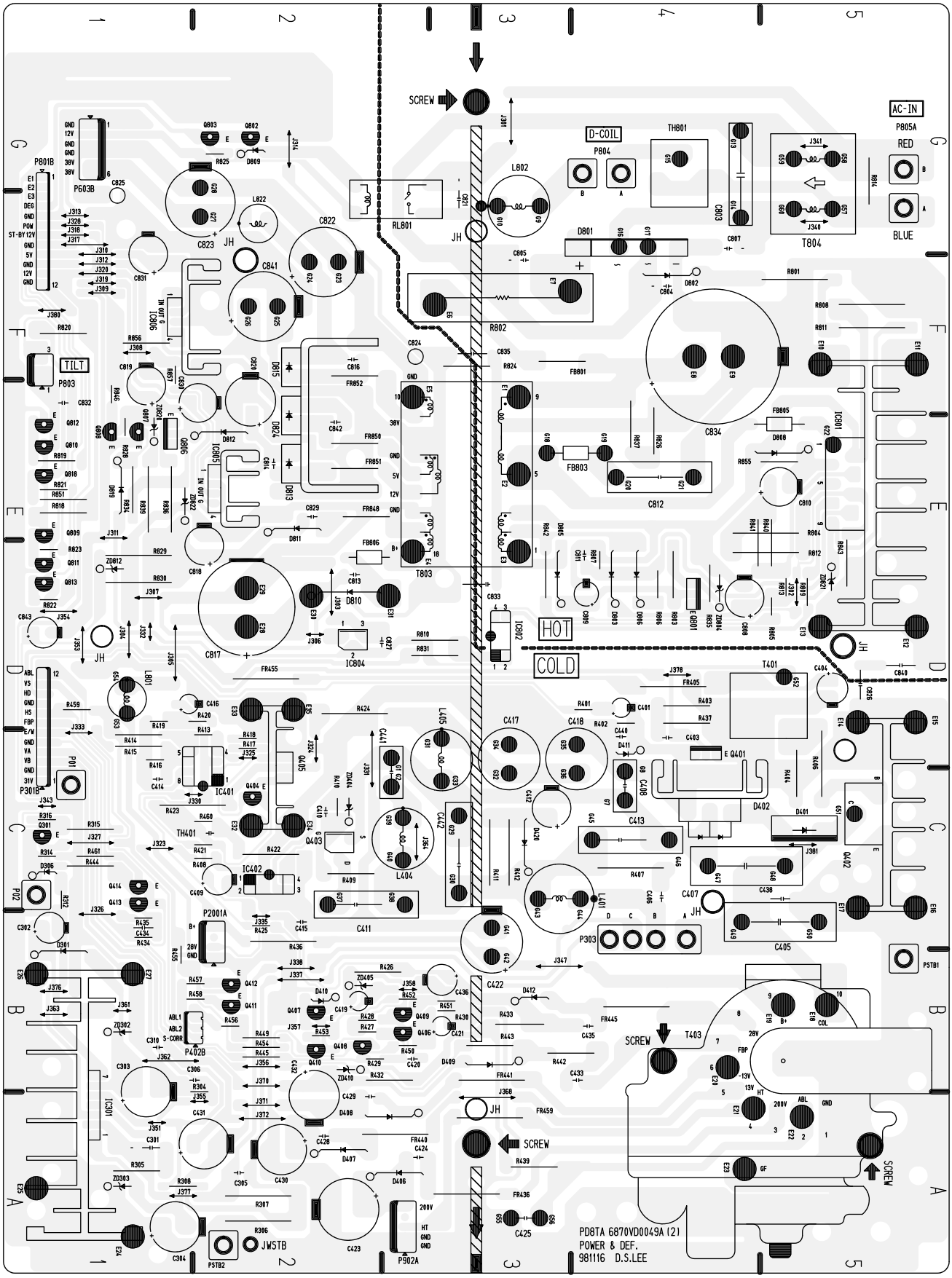
<LED>

SCART OUT (STB OUT)

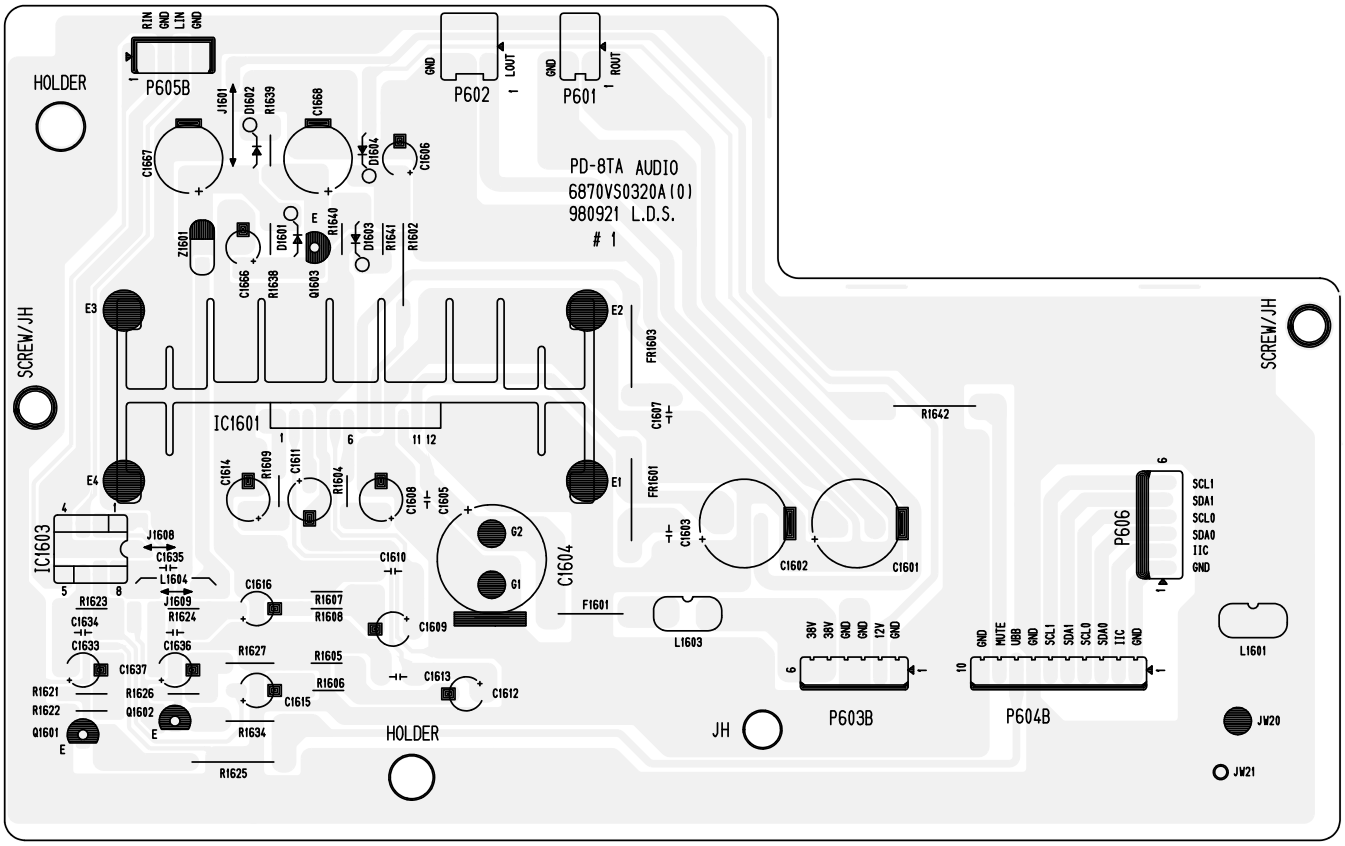
SCART 1 FULL SCART W/RGB

DATE:02. 12. 1998

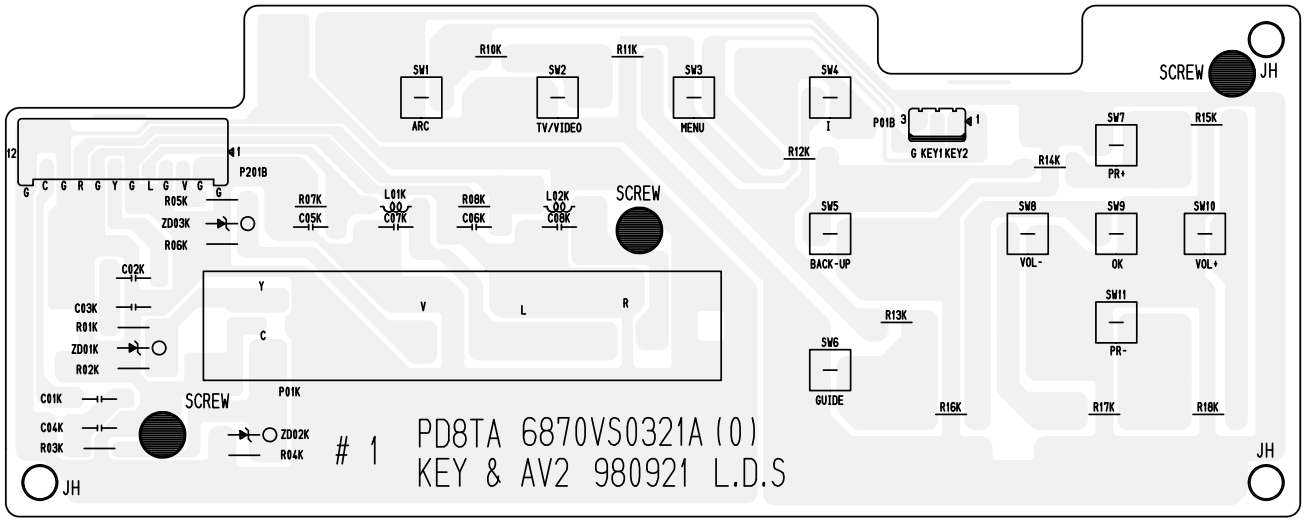
Power & Deflection



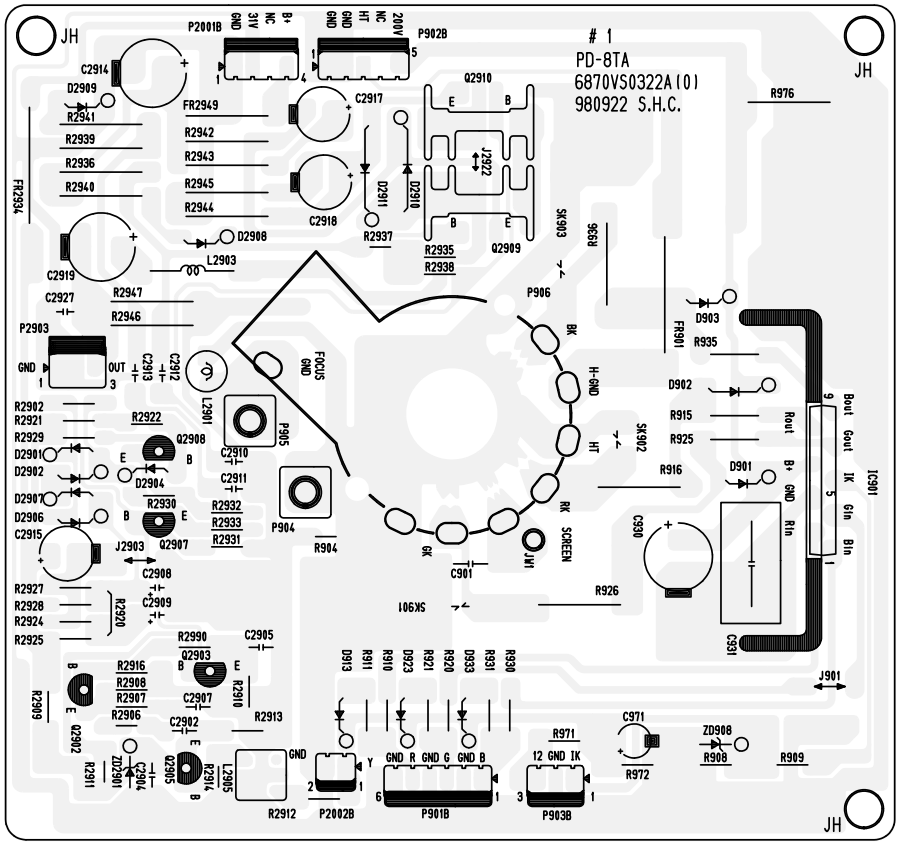
Audio



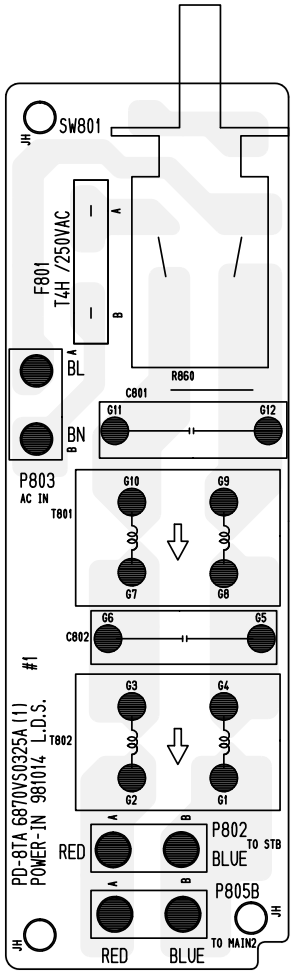
KEY & AV2



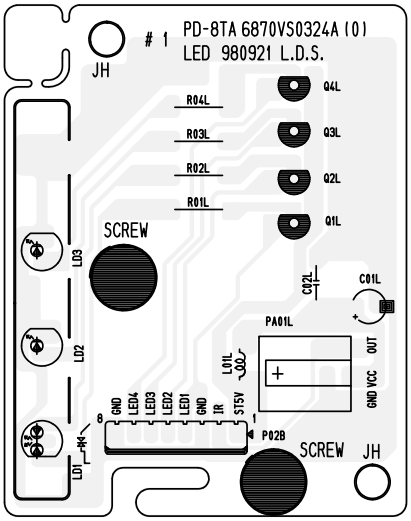
CPT



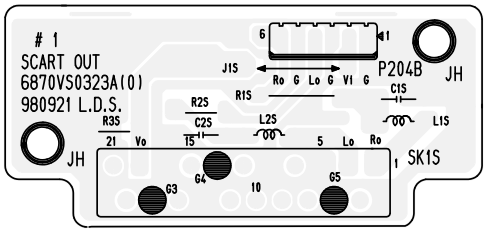
Power-IN



LED



Scart OUT



Main